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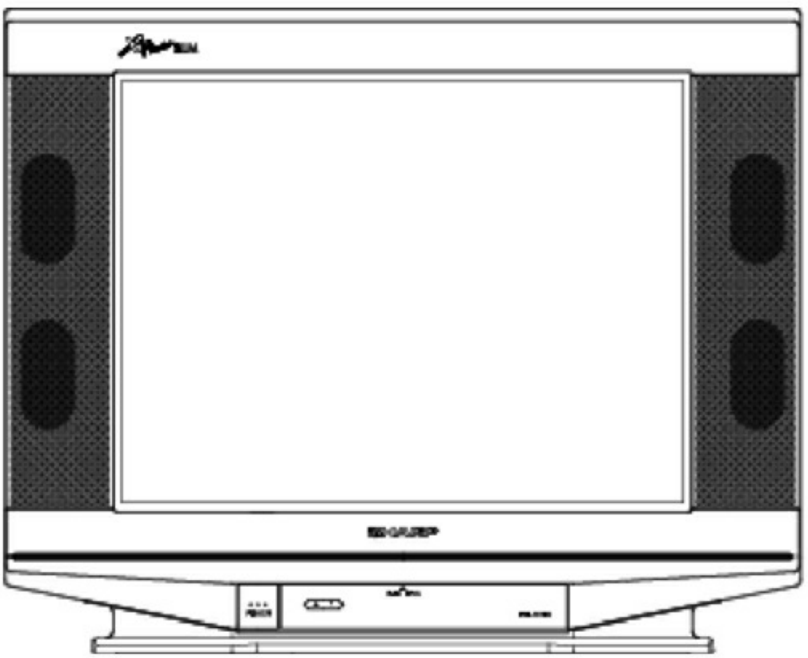
SHARP 21S-FX10F SERVICE MANUAL



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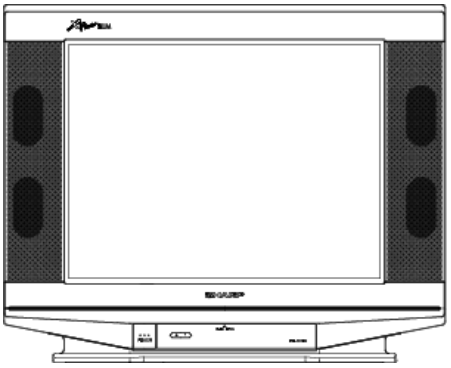
1 Edition

21S-FX10F/10S/10N/10U

SHARP SERVICE MANUAL



No. S7810621SFX10F

COLOUR TELEVISION

Chassis No.GA-7S

21S-FX10F
21S-FX10S
21S-FX10N
MODEL 21S-FX10U

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

FEATURES

- Multi 18 Systems (21S-FX10U / 10N)
  Multi 21 Systems (21S-FX10F / 10S)
- Full Auto System
- 100-CH Program Memory
- CATV (Hyper Band Ready)
- Hotel Mode
- White Temperature Select
- Off Timer
- Blue Back Function
- Aperture Control Circuit
- Auto Fine Tuning
- NTSC Colour Comb Filter
- High Contrast Picture (Black Stretch Circuit)
- AV Stereo
- Multi Languages OSD (English/French/Arab/Russia)
- Surround Sound Effect (With Bass/Treble/Balance)
- Front AV IN & Rear AV IN / OUT Terminals
- AV Mode (3 Mode)
- Child Lock
- Component In
- AVL Function
- Loundness Function
- M P-In Jack
- Picture Noise Reduction Function
- Frequency Synthesizer Tuner

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Parts Guide

WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis. To prevent electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

SHARP CORPORATION

CHAPTER 1. SPECIFICATIONS

[1] SPECIFICATIONS

Convergence	Self Convergence System
Focus	Electro-Static Focusing
Sweep Deflection	Magnetic
Intermediate Frequencies	
Picture IF Carrier	38.9MHz
Sound IF Carrier Frequency	
6.5MHz	32.4MHz
6.0MHz	32.9MHz
5.5MHz	33.4MHz
Colour Sub-Carrier Frequency	34.47MHz
Power Input	110 ~ 240V AC 50/60 Hz
Power Consumption	98W
Audio Power Output Rating	3W(rms) x 4
Speaker	
Size	9 x 5 cm Elliptic (4 pcs)
Voice Coil Impedance	32 ohms at 400 Hz
Aerial Input Impedance	
VHF/UHF	75 ohms Unbalanced
Receiving System	PAL I, B/G, D/K & SECAM B/G, D/K, K1(21S-FX10U/10N) PAL I, B/G, D/K, M & SECAM B/G, D/K, K1(21S-FX10F/10S) NTSC B/G & NTSC M (AV only)
Receiving Channel	
VHF-Channels	E2(48.25MHz) thru E12(224.25MHz) C1(49.75MHz) thru C12(216.25 MHz) S1(105.25MHz) thru S41(463.25HMz)
UHF-Channels	E21(471.25MHz) thru E69(855.25MHz) C13(471.25MHz) thru C57(863.25MHz)
Dimensions	Width: 577mm Height: 467mm Depth: 340mm Weight(approx): 20 kg
Cabinet material	All Plastics

Specifications are subject to change without prior notice

CHAPTER 2. IMPORTANT SERVICE NOTES

[1] IMPORTANT SERVICE NOTES

Maintenance and repair of this receiver should be done by qualified service personnel only.

1. SERVICE OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove static charge from it by connecting a 10K ohm resistor in series with an insulated wire (such as a test probe) between picture tube dag and 2nd anode lead. (AC line cord should be disconnected from AC outlet.)

1) Picture tube in this receiver employs integral implosion protection.
2) Replace with the same type number of picture tube for continued safety.
3) Do not lift picture tube by the neck.
4) Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely.

2. X-RAY

This receiver is designed so that any X-Ray radiation is kept to an absolute minimum. Since certain malfunctions or servicing may produce potentially hazardous radiation with prolonged exposure at close range, the following precautions should be observed:

1) When repairing the circuit, please make sure do not increase the high voltage of the set to more than 26.0kV (at beam 0μA).
2) To keep the set in a normal operation, please make sure it's function at 23.0kV ± 1.0kV (at beam 1000μA). The set has been factory - adjusted to the above-mentioned high voltage.

   *If there is a possibility that the high voltage fluctuates as a result of the repairs, never forget to check for such high voltage after the work.
3) Do not substitute a picture tube with unauthorizerd types and/or brands which may cause excessive X-ray radiation.

3. BEFORE RETURNING THE RECEIVER

Before returning the receiver to the user, perform the following safety checks.

1) Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2) Inspect all protective devices such as non-metal control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators etc.

CHAPTER 3. ADJUSTMENT PRECAUTIONS

[1] ADJUSTMENT PRECAUTIONS

This model's setting are adjusted in two different ways: through the I2C bus control and in the conventional analog manner. The adjustments via the I2C bus control include preset-only items and variable data.

1. Setting the service mode by the microprocessor.

   (1). Press and hold the local key "VOL DOWN" & "CH UP" when power on the main switch, TV will enter into the SERVICE MODE in Adjustment Mode.(The initial value of EEPROM are automatically preset when new EEPROM is used).
   Service Mode also can be reached by pressing "Service" key (code: 81 Hex)

   (2). Press the CH DOWN / UP key on the remote controller to select the items one by one in Adjustment Mode.

   (3). Using the VOLUME UP/ DOWN key on the remote controller, the data can be modified.

   (4). When press the local key "VOL DOWN" & "CH UP" at the same time, it will be released from the service mode.

   (5) Press the MENU key on the remote controller to enter into NVM mode.
   Press MENU key again to leave the NVM mode return to Adjustment Mode.
   (Not recommended to modify the data unless as listed in BUS SETUP data)

   (6) Press both CH-UP and VOL-DOWN buttons on the TV set simutaneously or press the "SERVICE" (81HEX) key again, it will switch to the NORMAL mode position, and the microprocessor is out of the SERVICE mode.

2. Factory Presetting.

   (1). Press remote controller key of code "ED"for 4 seconds, the initial values are automatically preset.

   (2). The initial data are preset as listed in page 5~8.

   (3). Make sure whether the data need to modify or not (Initial data).
   (Refer to BUS SETUP DATA)

Note: Once the chassis has been assembly together and in ready condition, please make sure it's go through initialize process (see sect 2 above)

Precaution: If haven't done this initialization, malfunction might be happen.

ADJUSTMENT ITEM

*****Below are the adjustment items that should be done, PLS FOLLOW THE PROCEDURE. Otherwise some adjustment items will not be accurate.**

NO ***	ADJUSTMENT ITEM	EFFECTIVE MODEL	REVISION
1	BUS SET UP	ALL MODELS	
2	RF-AGC		
3	FOCUS ADJ		
4	V-SLOPE		
5	V-SHIFT50		
6	V-AMP-50		
7	H-SHIFT-50		
8	EW-W-50		
9	E/W-PAR-50		
10	UPCOR-PAR		
11	LOCOR-PAR		
12	H-BOW		
13	H-PAR		
14	EW-TRAP		
15	SCREEN		
16	WHITE BALANCE		
17	SUB-BRIGHTNESS		
18	SUB-CONTRAST		
19	BEAM CURRENTCHECK		
20	SUB-COLOR		
21	SUB-TINT		
22	HV PROTECTOR CHECK		
23	OTHER PROTECTOR CHECK		
24	AV OUT CHECK		
25	AV IN CHECK		
26	COMPONENT IN CHECK		
27	CONTRAST CONTROL CHECK		
28	COLOR CONTROL CHECK		
29	BRIGHTNESS CONTROL CHECK		
30	TINT CONTROL CHECK		
31	SHARPNESS CONTROL CHECK		
32	CH DISPLAY COLOR CHECK		
33	SURROUND CHECK		
34	TREBLE CHECK		
35	BASS CHECK		
36	BALANCE CHECK		
37	LOUDNESS CHECK		
38	NORMAL DISPLAY CHECK		
39	WHITE TEMP CONTROL CHECK		
40	COLOR SYSTEM CHECK		
41	SOUND SYSTEM CHECK		
42	MP-IN CHECK		
43	NOISE MUTE CHECK		
44	OSD LANGUAGE QUANTITY CHECK		
45	SHOCK TEST CHECK		

USER DATA IN SERVICE MODE

. While SERVICE mode ON, EEPROM DATA will switch to the service data.
Also, once SERVICE mode OFF, EEPROM will also switch to service (default) data .

. In the service mode, the user data establish as below,

	USER DATA		MODELS
CONTRAST	MAX	60	ALL MODELS
COLOUR	CENTER	0	
BRIGHTNESS	CENTER	0	
TINT	CENTER	0	
SHARPNESS	CENTER	0	
WHITE TEMP	CENTER		
S-VOLUME	MIN		
SURROUND	SURROUND II		
TREBLE	+6		
BASS	+5		
BALANCE	0		
LOUDNESS	ON		
AVL	OFF		
BLUE BACK	OFF		
C SYSTEM	AUTO		
S SYSTEM	*1		

*1: For each CH, data is same as before switch to Service mode.

The flow of Mode list as following,

* Direct Key-in Mode for Service Items in Service Mode

RC CODE (HEX)	SERVICE-ITEM
24	V-AMP-50 / V-AMP-60
54	V-SHI-50 / V-SHI-60
D4	V-SLOPE
74	H-SHI-50 / H-SHI-60
BC	EW-W-50/ EW-W-60
0C	H-PAR
64	V-LIN
E2	CUT-RS
D6	SUB-COLOR
36	SUB-TINT
1E	VSD
0D	SUB-BRI

**AFTER INITIALIZED THE EEPROM (REFER TO FACTORY PRESETTING), READ DATA FROM EEPROM ADDRESS 00H ~ 03H,AND COMPARE TO THE LIST BELOW, IF DIFFERENT, INITIALIZE THE EEPROM.

ADDRESS	DATA	ADDRESS	DATA
00H:	**00H**	02H:	**03H**
01H:	**00H**	03H:	**13H**

*** There are two stages of service mode. First stage is ADJUSTMENT MODE; data from 01~32.
To go into second stage of service mode , press MENU key.Second stage is NVM MODE data from 000~3FF

ADJUSTMENT MODE (01~32)

1) Press CH UP/CH DOWN to select the item.
1) Press VOL UP/VOL DOWN to modify/ adjust the data.

Item	Setting Item	Setting Range	IC	Default (DEC)	FIX/ADJ/AUTO	REMARK
01	RF-AGC	0…63	UOC-TV	23	AUTO	
02	V-SLOPE	0…63	UOC-TV	31	ADJ	PLS REFER TO ADJ ITEM FOR HORIZONTAL, VERTICAL, DEFLECTION LOOP
03	V-SHI-50	0…63	UOC-TV	36	ADJ	
04	V-AMP-50	0…63	UOC-TV	20	ADJ	
05	H-SHI-50	0…63	UOC-TV	30	ADJ	
06	EW-W-50	0…63	UOC-TV	28	ADJ	
07	E/W-PAR-50	0…63	UOC-TV	36	ADJ	
08	H-PAR	0…63	UOC-TV	30	ADJ	
09	H-BOW	0…63	UOC-TV	30	ADJ	
10	UPCOR-PAR	0…63	UOC-TV	42	ADJ	
11	LOCOR-PAR	0…63	UOC-TV	44	ADJ	
12	E/W TRAP	0…63	UOC-TV	30	ADJ	
13	V-LIN	0…63	UOC-TV	32	FIX	
14	S-COR	0…63	UOC-TV	32	FIX	
15	DRI-RS	0…63	UOC-TV	32	ADJ	PLS REFER TO ADJ ITEM FOR WHITE BALANCE
16	DRI-GS	0…63	UOC-TV	32	ADJ	
17	DRI-BS	0…63	UOC-TV	32	ADJ	
18	CUT-RS	0…63	UOC-TV	16	ADJ	
19	CUT-GS	0…63	UOC-TV	16	ADJ	
20	CUT-BS	0…63	UOC-TV	16	ADJ	
21	SUB-BRI	0…63	UOC-TV	24	ADJ	
22	SUB-CON	0…63	UOC-TV	59	ADJ	
23	SUB-COL	0…63	UOC-TV	10	ADJ	
24	SUB-TINT	0…63	UOC-TV	36	ADJ	
25	SUB-SHARP	0…63	UOC-TV	32	FIX	BUS SETUP
26	V-SHI-60	0…63	UOC-TV	31	FIX	
27	V-AMP-60	0…63	UOC-TV	31	FIX	
28	H-SHI-60	0…63	UOC-TV	38	FIX	
29	EW-W-60	0…63	UOC-TV	32	FIX	
30	E/W-PAR-60	0…63	UOC-TV	31	FIX	
31	VSD	0/1	UOC-TV	0	FIX	
32	CUT OFF	0…63	UOC-TV	25	FIX	
33	DCXO	0…3	UOC-TV	2	FIX	
34	ISP MODE	0/1	UOC-TV	0	FIX	
35	BLOC	0…15	UOC-TV	4	FIX	
36	SUB-VOL	0…60	UOC-TV	60	FIX	

NVM MODE ITEMS (1/4)

1) Press CH UP / CH DOWN key to move the highlighted cursor (between NVM address and NVM data)
2) To change NVM address / modify data: VOL UP key= increase 0ne step data ; VOL DOWN key= decrease one step data ;
0~9 key = 0~9 ; FAV key A(RED) =A ; FAV key B (GREEN)=B; FAV key C (YELLOW)=C; FAV key D (BLUE)=D;

ADDRESS (HEX)	DATA D7	D6	D5	D4	D3	D2	D1	D0	MICON DEFAULT [hex]	EEPROM RANGE [hex]	REMARKS
0000	LOCKING PASSWORD								0000	0000-270F	FIX
0001											
0002	PACKAGE NUMBER (MSB)								03	00-FF	FIX
0003	PACKAGE NUMBER (LSB)								13	00-FF	FIX
0008	RF-AGC (01)								17	00-3F	AUTO
0009	V-SLOPE (02)								1F	00-3F	ADJ
000A	V-SHI-50 (03)								24	00-3F	ADJ
000B	V-AMP-50 (04)								14	00-3F	ADJ
000C	H-SHI-50 (05)								1E	00-3F	ADJ
000D	EW-W-50 (06)								1C	00-3F	ADJ
000E	E/W-PAR-50 (07)								24	00-3F	ADJ
000F	H-PAR (08)								1E	00-3F	ADJ
0010	H-BOW (09)								1E	00-3F	ADJ
0011	UPCOR-PAR (10)								2A	00-3F	ADJ
0012	LOCOR-PAR (11)								2C	00-3F	ADJ
0013	E/W-TRAP (12)								1E	00-3F	ADJ
0014	V-LIN (13)								20	00-3F	FIX
0015	S-COR (14)								20	00-3F	FIX
0016	DRI-RS (15)								20	00-3F	ADJ
0017	DRI-GS (16)								20	00-3F	FIX
0018	DRI-BS (17)								20	00-3F	ADJ
0019	CUT-RS (18)								10	00-3F	ADJ
001A	CUT-GS (19)								10	00-3F	ADJ
001B	SUB-BRI (21)								18	00-3F	ADJ
001C	SUB-CON (22)								3B	00-3F	ADJ
001D	SUB-COL (23)								0A	00-3F	ADJ
001E	SUB-TINT (24)								24	00-3F	ADJ
001F	SUB-SHARP (25)								20	00-3F	BUS SETUP
0020	DRI-RS-DVD								21	00-3F	FIX
0021	DRI-GS-DVD								20	00-3F	FIX
0022	DRI-BS-DVD								21	00-3F	FIX
0023	CUT-RS-DVD								21	00-3F	FIX
0024	CUT-GS-DVD								29	00-3F	FIX
0025	SUB-BRI-DVD								1C	00-3F	FIX
0026	SUB-CON-DVD								1F	00-3F	FIX
0027	SUB-TINT-DVD								1A	00-3F	BUS SETUP
0028	DRI-RC								1F	00-3F	FIX
0029	DRI-GC								20	00-3F	FIX
002A	DRI-BC								28	00-3F	FIX
002B	CUT-RC								20	00-3F	FIX
002C	CUT-GC								20	00-3F	FIX
002D	DRI-RW								22	00-3F	FIX
002E	DRI-GW								20	00-3F	FIX
002F	DRI-BW								1D	00-3F	FIX
0030	CUT-RW								20	00-3F	FIX
0031	CUT-GW								20	00-3F	FIX
0032	DRI-RC-DVD								1F	00-3F	FIX
0033	DRI-GC-DVD								20	00-3F	FIX
0034	DRI-BC-DVD								28	00-3F	FIX
0035	CUT-RC-DVD								20	00-3F	FIX
0036	CUT-GC-DVD								20	00-3F	FIX
0037	DRI-RW-DVD								22	00-3F	FIX
0038	DRI-GW-DVD								20	00-3F	FIX
0039	DRI-BW-DVD								1D	00-3F	FIX
003A	CUT-RW-DVD								20	00-3F	FIX
003B	CUT-GW-DVD								20	00-3F	FIX
003C	VER-SHI-P50								27	00-3F	FIX
003D	VER-AMP-P50								23	00-3F	FIX
003E	H0R-SHI-P50								1F	00-3F	FIX
003F	EW-W-P50								0B	00-3F	FIX

Note: Highlighted items cannot be adjusted due fixed by software.(if adjusted it will has no effect)

NVM MODE ITEMS (2/4)

ADDRESS (HEX)	DATA D7	D6	D5	D4	D3	D2	D1	D0	MICON DEFAULT [hex]	EEPROM RANGE [hex]	SETTING DATA [hex]
0040	E/W-PAR-P50								20	00-3F	FIX
0041	V-SHI-60 (26)								1F	00-3F	FIX
0042	V-AMP-60 (27)								1F	00-3F	FIX
0043	H-SHI-60 (28)								26	00-3F	FIX
0044	EW-W-60 (29)								20	00-3F	FIX
0045	E/W-PAR-60 (30)								1F	00-3F	FIX
0046	VER-SHI-P60								24	00-3F	FIX
0047	VER-AMP-P60								25	00-3F	FIX
0048	H0R-SHI-P60								25	00-3F	FIX
0049	EW-W-P60								0A	00-3F	FIX
004A	E/W-PAR-P60								1E	00-3F	FIX
004B	CUT OFF (32)								19	00-3F	FIX
004C	DCXO (33)								02	00-04	FIX
004D	DRI-RLC (40)								20	00-3F	FIX
004E	DRI-GLC (41)								20	00-3F	FIX
004F	DRI-BLC (42)								20	00-3F	FIX
0050	CUT-RLC (43)								20	00-3F	FIX
0051	CUT-GLC (44)								20	00-3F	FIX
0052	DRI-RLW (30)								20	00-3F	FIX
0053	DRI-GLW (31)								20	00-3F	FIX
0054	DRI-BLW (32)								20	00-3F	FIX
0055	CUT-RLW (33)								20	00-3F	FIX
0056	CUT-GLW (34)								20	00-3F	FIX
0057	DRI-RLC-DVD (67)								20	00-3F	FIX
0058	DRI-GLC-DVD (68)								20	00-3F	FIX
0059	DRI-BLC-DVD (69)								20	00-3F	FIX
005A	CUT-RLC-DVD (70)								20	00-3F	FIX
005B	CUT-GLC-DVD (71)								20	00-3F	FIX
005C	DRI-RLW-DVD (57)								20	00-3F	FIX
005D	DRI-GLW-DVD (58)								20	00-3F	FIX
005E	DRI-BLW-DVD (59)								20	00-3F	FIX
005F	CUT-RLW-DVD (60)								20	00-3F	FIX
0060	CUT-GLW-DVD (61)								20	00-3F	FIX
0061	OF-COL-TV								1C	00-3E	FIX
0062	OF-COL-AV								27	00-3E	BUS SETUP
0063	OF-COL-DVD								2D	00-3E	BUS SETUP
0064	OF-COL-P								28	00-3E	FIX
0065	OF-COL-S								24	00-3E	FIX
0066	OF-COL-N4								27	00-3E	FIX
0067	OF-COL-N3								27	00-3E	FIX
0068	OF-SHP-TV								21	00-3E	FIX
0069	OF-SHP-AV								2B	00-3E	FIX
006A	OF-SHP-DVD								2B	00-3E	FIX
006B	OF-SHP-P								23	00-3E	FIX
006C	OF-SHP-S								1F	00-3E	FIX
006D	OF-SHP-N4								1F	00-3E	FIX
006E	OF-SHP-N3								28	00-3E	FIX
006F	OF-TINT-TV								14	00-3E	FIX
0070	OF-TINT-AV								1E	00-3E	FIX
0071	OFFSET OF COL DVD FIELD FREQ 60HZ								1F	00-3E	FIX
0072	OF-TINT-ADJ								1F	00-3E	FIX
0073	BB-TINT								20	00-3F	FIX
0074	U-BASS MUSC								0F	00-3C	FIX
0075	U-BASS NEWS								0A	00-3C	FIX
0076	U-BASS MOV								0F	00-3C	FIX
0077	U-TREBLE MUSC								10	00-3C	FIX
0078	U-TREBLE NEWS								0A	00-3C	FIX
0079	U-TREBLE MOV								10	00-3C	FIX
007A	U-BRI-MUSC								1E	00-3E	FIX
007B	U-BRI-NEWS								1E	00-3E	FIX
007C	U-BRI-MOV								1E	00-3E	FIX
007D	U-COL-MUSC								1E	00-3E	FIX
007E	U-COL-NEWS								18	00-3E	FIX
007F	U-COL-MOV								24	00-3E	FIX

Note: Highlighted items cannot be adjusted due fixed by software.(if adjusted it will has no effect)

NVM MODE ITEMS (3/4)

ADDRESS (HEX)	DATA								MICON DEFAULT [hex]	EEPROM RANGE [hex]	SETTING DATA [hex]
	D7	D6	D5	D4	D3	D2	D1	D0			
0080	U-CON-MUSC								3C	00-3C	**FIX**
0081	U-CON-NEWS								32	00-3C	**FIX**
0082	U-CON-MOV								3C	00-3C	**FIX**
0083	U-SHP-MUSC								1E	00-3E	**FIX**
0084	U-SHP-NEWS								18	00-3E	**FIX**
0085	U-SHP-MOV								24	00-3E	**FIX**
0086	OSD-BRIGHTNESS								1F	00-1F	**FIX**
0087	V-POS-OSD								30	00-3F	**FIX**
0088	H-POS-OSD								01	00-3F	**FIX**
0089	AUTO-AGC-MAX								0F	00-20	**FIX**
008A	SVM2-0-NTSC								05	00-07	**FIX**
008B	VER-AMP-START								19	00-3F	**FIX**
008C	OFFSET_OF_COL_DVD_FIELD_FREQ_50HZ								1F	00-3E	**FIX**
008D	V-POS-OSD60HZ								1A	00-3F	**FIX**
008E	SMEL-GAIN								B0	00-FF	**FIX**
008F	FDAC-VOL1								0F	00-3C	**FIX**
0090	FDAC-VOL2								1E	00-3C	**FIX**
0091	FDAC-VOL3								2D	00-3C	**FIX**
0093	OFFSET_TINT_N443								1F	00-3E	**FIX**
0099	OPTION_HOTEL_MAX_VOL								05	00-3C	**FIX**
009A	OPTION_HOTEL_PRG								02	00-63	**FIX**
009B	SUB-VOL (36)								3C	00-3C	**FIX**
009C	OFFSET_SHARPNESS_LNA								14	00-3F	**FIX**
009D	STARTMER1								CF	00-FF	**FIX**
009E	STOPMER								00	00-FF	**FIX**
009F	CUT-BS (20)								10	00-3F	**ADJ**
00A0	CUT-BS-DVD								20	00-3F	**FIX**
00A1	STARTMER2								A9	00-FF	**FIX**
00A2	OFF_CON								20	00-3F	**FIX**
00A3	OFF_BRI								20	00-3F	**FIX**
00A4	AV2_BRI								23	00-3F	**BUS SETUP**
00A5	FTUN_OFFSDEM_IF								16	00-3F	**FIX**
00C6	AVL_VOL_STEPDOWNLEVEL0								03	00-3F	**FIX**
00C7	AVL_VOL_STEPDOWNLEVEL1								08	00-3F	**FIX**
00C8	AVL_VOL_STEPDOWNLEVEL2								0A	00-3F	**FIX**
06FE	FACTORY SHIPOUT SOUND SYSTEM								-	-	**BUS SETUP**
06FF	FACTORY SHIPOUT LANGUAGE								-	-	**BUS SETUP**

Note: Highlighted items cannot be adjusted due fixed by software.(if adjusted it will has no effect)

NVM MODE ITEMS (4/4)

NVM address	EEPROM ITEMS								MICON DEFAULT	EEPROM RANGE	REMARKS
	D7	D6	D5	D4	D3	D2	D1	D0	(HEX)	(HEX)	
00CD	TUNER BAND						TUNER SELECTION		02	00-83	FIX
00D2	YD SECAM				YD PAL				21	00-FF	FIX
00D3	YD N443				YD N358				11	00-FF	FIX
00D4	YD AV-SECAM				YD AV-PAL				40	00-FF	FIX
00D5	YD AV-N443				YD AV-N358				00	00-FF	FIX
00D6	CL3-0				YD COMP				67	00-FF	FIX
00D7	PW-TIME				SVM2-0-PAL				35	00-37	FIX
00D8	WBR-50-F-C-P				WBF-50-F-C-P				66	00-FF	FIX
00D9	WBR-60-F-C-P				WBF-60-F-C-P				84	00-FF	FIX
00DA	BLOC (35)				LOUDNESS_LDS0-2				41	00-F7	FIX
00DB	FTUN_OFFSDEM_IF				PWLDAC				04	00-0F	FIX
00DC	WBF-60-F-C-P (during Blue Back)				WBF-50-F-C-P (during Blue Back)				0B	00-FF	FIX
00DD	LOUDNESS_LD2 (SHAKIT only)				LOUDNESS_LD1 (SHAKIT only)				45	00-77	FIX
00DE	LOUDNESS_LD4 (SHAKIT only)				LOUDNESS_LD3 (SHAKIT only)				13	00-77	FIX
00E6	PEAKFREQPALN		PEAKFREQPALM		PEAKFREQPAL443		COR1-0		04	00-FF	FIX
00E7	PEAKFREQDVD		PEAKFREQSECAM		PEAKFREQNTSCM		PEAKFREQNTSC443		D1	00-FF	FIX
00E8	PW-LAST		AUDIO-CFG		PHI		H-POS-FINE		5D	00-AF	FIX
00E9	PRESET_WS_NEWS		PRESET_COR_NEWS		PRESET_WS_MUSC		PRESET_COR_MUSC		77	00-FF	FIX
00EA	PRESET_WS_CTM		PRESET_COR_CTM		PRESET_WS_MOV		PRESET_COR_MOV		77	00-FF	FIX
00EB	PRESET_SURROUND_NEWS		PRESET_SURROUND_MUSC		TREBLE_FREQ_SELECTION		BASS_FREQ_SELECTION		02	00-AF	FIX
00EC	RPA		SOC		AAS0_1		PRESET_SURROUND_MOV		92	00-BE	FIX
00ED	PSYS_CHSE_COLOR		LANGUAGE_OPTION		FSND_AGNE_SELECTION		RPO		04	00-1F	BUS SETUP
00F4	PWL	VSD (31)	VIRGIN	BPB2	FMI	MUS	PHI FORCE	DSK-NOT-PAL-AV	92	00-FF	FIX
00F5	DSK-NOT-PAL-DVD	DSK-PAL-DVD	DSK-PAL-AV	BKS	GAM	BSD	LCKEY-SRV-ENTER	INCL-AV	1B	00-FF	FIX
00F6	AVL_GAIN	AVL	ISP MODE (34)	AEVS_ITEM_POR	ERR-VERTG	ERR-SUPVOL	ERR-XRAY	ERR-1-8-SUP	0C	00-BF	FIX
00F7	OPTION_SMUTE_L	CP-TUNER	TFR	OPTION_HOTEL	LOUDNESS_HIGH_BOOST	DTR	AGN	DSG	49	00-7D	FIX
00F8	OPTION_ SURROUND	OPTION_DVD	OPTION_AV2	MULTI21_SYS_ OPTION	DMP50_SELECTION	CB	DSGLS_SELECTIO N	CBS	E4	00-F5	FIX
00F9		OPTION_AVL_ OSD	OPTION_TREBL E_LIMIT	OPTION_BASS_ LIMIT	OPTION_AVL_ON_VOL_TBL	OPTION_LNA _BOOSTER	OPTION_SHAKIT	OPTION_MPIN	45	00-7F	FIX

Note: Highlighted items cannot be adjusted due fixed by software.(if adjusted it will has no effect)

BUS SET UP (EEPROM DATA)

Address (HEX)	EEPROM ITEMS	Data (HEX)			REMARK
		21S-FX10U	21S-FX10N	21S-FX10F/10S	
01F	SUB-SHARP (25)	1E	1E	1E	FIX (Data same as adjustment item 25 SUB-SHARP = 30 (decimal)
027	SUB-TINT-DVD	24	24	24	FIX
062	OF-COL-AV	21	21	21	FIX
063	OF-COL-DVD	2A	2A	2A	FIX
0A4	AV2_BRI	24	24	24	FIX
0ED	LANGUANGE OPTION / FSND_AGNE_SELECTION / RPO	14	14	14	FIX
6FE	FACTORY SHIPOUT SOUND SYSTEM	03	01	01	FIX
6FF	FACTORY SHIPOUT LANGUAGE	02	00	03	FIX
0EE	OPTION_SHAKIT_LOUDNESS_DSP	01	01	01	FIX
0F8	SURROUND OPTION/DVD OPTION/AV2 OPTION/MULTI 21 SYS.OPTION/CB/CBS	E4	E4	F4	FIX
0F9	AVL OSD POSITION/TREBLE LIMIT OPTION/BASS LIMIT OPITION/LNA BOOSTER OPTION/AVL ON VOL TABLE OPTION/SHAKIT OPTION/MP IN OPTION	41	41	41	FIX

INITIAL SETTING

1.) Execute MCL 1 key to set the following data in EEPROM.

2.) After set the MCL , please set the MODEL SET (17 HEX or 232 DEC).

MCL1 (HEX AE)		
CH-No	Fv (MHz)	Sound Sys
0		
1	48.25	B/G
2	62.25	B/G
3	77.25	D/K
4	175.25	B/G
5	182.25	B/G
6	183.25	D/K
7	191.25	D/K
8	196.25	B/G
9	199.25	M
10	210.25	B/G
11	224.25	B/G
12	471.25	B/G
13	487.25	I
14	503.25	B/G
15	575.25	B/G
16	583.25	B/G
17	599.25	B/G
18	621.25	M
19	639.25	D/K
20	703.25	B/G
21	735.25	I
22	767.25	B/G
23	815.25	B/G
24	855.25	I
25	855.25	B/G
26	55.25	M
27	83.25	M
28	183.25	M
29	193.25	M
30	217.25	M
31	471.25	M
32	477.25	M
33	693.25	M
34	885.25	M
35	112.25	B/G
36	168.25	B/G
37		
38	294.25	B/G
39	463.25	B/G
40		
41	647.25	B/G
42	663.25	B/G
43	679.25	B/G
44	174.95	B/G
45	175.55	B/G
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SHIPPING SETTING & CHECKING

(1) The following default data has been factory-set for the E2PROM follow by pressing MODEL SET key.

LANGUAGE	SOUND SYSTEM
ENGLISH	B/G

ITEMS	DATA SETTING
LAST POWER	ON
LAST TV/AV MODE	TV MODE
LAST POSITION	CH 1
FLASHBACK CHANNEL	CH 1
1/2 DIGIT ENTRY	2 DIGIT ENTRY
VOLUME	0 (Min)
BLUE BACK	OFF
OFF TIMER	--:--
CHILD LOCK	OFF
PASSWORD	0000
MP-IN	ON
AFT	ALL CH ON
COLOR SYSTEM	ALL CH AUTO
SKIP	ALL CH OFF
FAVORITE PROGRAM A	CH 10
FAVORITE PROGRAM B	CH 20
FAVORITE PROGRAM C	CH 30
FAVORITE PROGRAM D	CH 40
AV MODE	MOVIE
CONTRAST	60
COLOUR	+6
BRIGHTNESS	0
TINT	0
SHARPNESS	+6
PICTURE NR	OFF
WHITE TEMP	0
SURROUND	ONII
TREBLE	+6
BASS	+5
LOUDNESS	ON
AVL	OFF

FACTORY SETTING BY MODEL
(Reference: Geomagnetism Adjustment)

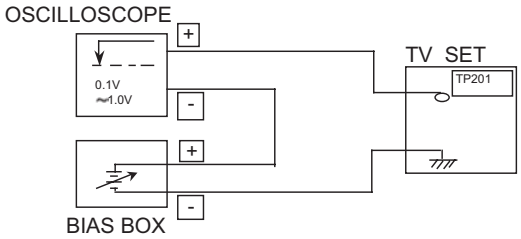
MODEL	MAGNETIC FIELD(V, H) nT		BACKGROUND	LANG.	S-SYS	LANG QTY
NIGERIA	-10,000	40,000	12300°K	ENGLISH	B/G	4
MIDDLE EAST	30,000	20,000	12300°K	ARAB	B/G	4
UKRAINE	40,000	20,000	12300°K	RUSSIA	D/K	4

4: ENGLISH/FRENCH/ARAB/RUSSIA

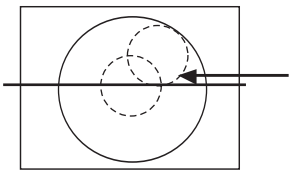
[2] ADJUSTMENT

ADJUSTMENT PRECAUTION: Makesure TV Set is in “Normal Condition” before switch to Service Mode for Adjustment.

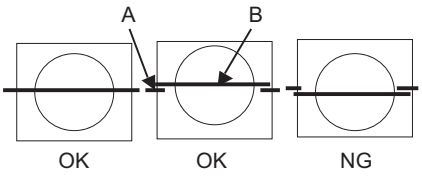
1. PIF ADJUSTMENT CHECKING

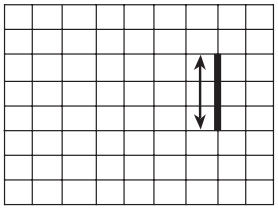
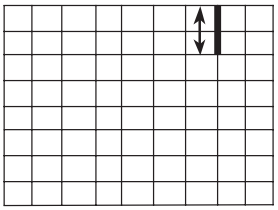
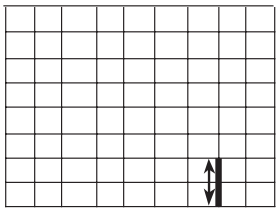
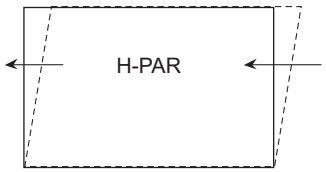
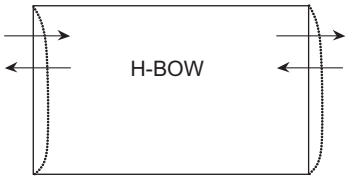
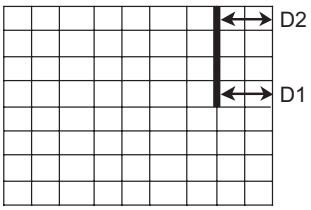
NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	RF-AGC TAKE OVER POINT ADJUSTMENT (I2C BUS CONTROL) **(AUTO & MANUAL ADJ)**	(1) Receive "PAL COLOR BAR" signal. Signal Strength: 56 ± 1dBμV (75 ohm open) (2) Connect the oscilloscope to JA402 (Tuner's AGC Terminal) as shown in figure 3-1.  (3) Call **"01 RF-AGC"** mode in service mode. Adjust the **"01RF AGC"** bus data to obtain the Tuner output pin drop 0.1~1.0V below maximum voltage. (4) Change the antenna input signal to 63 ~ 67dBμV, and make sure there is no noise. (5) Turn up the input signal to 90 ~ 95 dBμV to be sure that there is no cross modulation beat.	*** for Auto ADJ** (1) Receive "PAL COLOR BAR" signal signal strength : 56 ± 1 dBμV (75 ohm open). (1) Go to service mode. (2) Go to service data 01 RF-AGC, press R/C to operate auto key (Hex C1). Blue display with OK sign indicates the adjustment is working properly (3) If appear red display with NG sign, increase data some step and please repeat step 2. (4) Proceed step 4 & 5 in manual mode.

2. FOCUS ADJUSTMENT

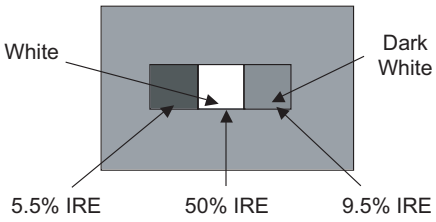
NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	FOCUS	(1) Receive the "Monoscope Pattern" signal. (2) Press R/C to set Picture NORMAL condition. (3) Adjust the focus control to get the best focusing.	 Focusing Point (middle of center and edge of monoscope pattern)

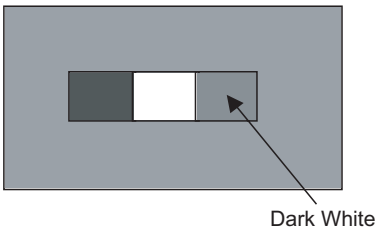
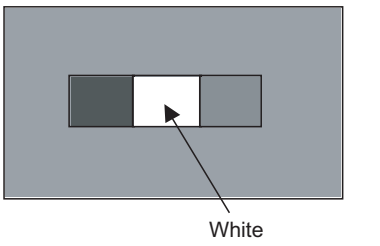
3. HORIZONTAL, VERTICAL, DEFLECTION LOOP ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	V-SLOPE (I2C BUS CONTROL)	(1) Receive Monoscope Pattern Signal (PAL 50 Hz). (2) Choose the service data **02 V-SLOPE.** (3) Adjust the V-SLOPE as shown in Figure 1.1 CAUTION:- PLEASE AGING TV MORE THAN 10 MINUTES BEFORE ADJUSTMENT.	 A = Out of spec B = OK C = Out of spec Figure 1.1
2	V-SHIFT50 (I2C BUS CONTROL)	(1) Receive Monoscope Pattern Signal (PAL 50 Hz). (2) Choose the service data **03 V-SHI-50** (3) Adjust V-SHI-50 bus data to have a most acceptable vertical position, the monoscope pattern should be **Balance** in vertical position. **Note: B line (Monoscope middle line) must same or nearest higher position to the A mark (Tube middle mark),refer to the attach drawing.**	Figure: 
3	V-AMP-50 (12C BUS CONTROL) **(to be done V-shift adj)**	(1) Receive Monoscope Pattern Signal (PAL 50 Hz). (2) Choose the service data **04 V-AMP-50.** (3) Adjust **V-AMP-50** bus data until the overscan become **10 ± 1.5 %.** **Caution 1: Pls aging TV more than 10 minutes before adjustment**	
4	H-SHIFT-50 (I2C BUS CONTROL)	(1) Receive Monoscope Pattern Signal (PAL 50 Hz). (2) Choose the service data 05 **H-SHI-50**. (3) Adjust the **H-SHI-50** bus data to have a balance position to spec of **A=B** (as attach drawing). (4) If cannot make it to **A=B**, adjust from the best point so that **B** slightly smaller than **A.**	

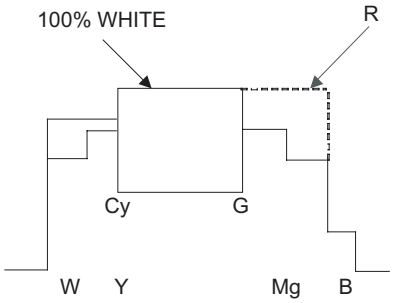
NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
5	EW-W-50 (I2C BUS CONTROL)	(1) Receive Monoscope Pattern Signal (PAL 50 Hz). (2) Choose the service data **06 EW-W-50.** (3) Adjust **EW-W-50** bus data until the overscan becomes **10 ± 1.5 %.**	
6	E/W-PAR-50 (I2C BUS CONTROL)	(1) Receive CrossHatch Pattern Signal (PAL 50 Hz). (2) Choose the service data **07 E/W-PAR-50.** (3) Adjust the 2nd vertical line from the right end of the crosshatch pattern so that the middle 4 blocks are straight.	
7	UPCOR-PAR (I2C BUS CONTROL)	(1) Receive CrossHatch Pattern Signal (PAL 50 Hz). (2) Choose the service data **10 UPCOR-PAR.** (3) Adjust the 2nd upper vertical line from the right end of the crosshatch pattern so that the upper line are straight.	
8	LOCOR-PAR (I2C BUS CONTROL)	(1) Receive CrossHatch Pattern Signal (PAL 50 Hz). (2) Choose the service data **11 LOCOR-PAR.** (3) Adjust the 2nd lower vertical line from the right end of the crosshatch pattern so that the bottom line are straight.	
9	H-BOW (I2C BUS CONTROL)	(1) Receive CrossHatch Pattern Signal (PAL 50 Hz). (2) Choose the service data **9 H-BOW.** (3) Adjust the 2nd vertical line from the end of the crosshatch pattern until line is straight (4) Please refer Figure 9.1	 Figure 9.1
10	H-PAR (I2C BUS CONTROL)	(1) Receive CrossHatch Pattern Signal (PAL 50 Hz). (2) Choose the service data **8 H-PAR.** (3) Adjust the 2nd vertical line from the end of the crosshatch pattern line is straight (4) Please refer Figure 10.1	 Figure 10.1
11	EW-TRAP (I2C BUS CONTROL)	(1) Receive CrossHatch Pattern Signal (PAL 50 Hz). (2) Choose the service data **12 EW-TRAP.** (3) Adjust the 2nd vertical line from the right end of the crosshatch pattern so that the D1 (center area of the second vertical line - edge of screen) and D2 (top area of the second vertical line - edge of screen) are same.	

4. SCREEN, WHITE BALANCE, SUB-BRIGHTNESS & SUB-CONTRAST ADJUSTMENT

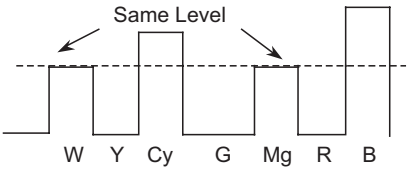
NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	SCREEN ADJUSTMENT (I2C BUS CONTROL)	(1) Make sure the following items are in INITIAL DATA before adjust CRT cutoff **(a) 15 DRI-RS = 32** **(b) 16 DRI-GS = 32** **(c) 17 DRI-BS = 32** **(d) 18 CUT-RS = 16** **(e) 19 CUT-GS = 16** **(f) 20 CUT-BS = 16** **(f) 21 SUB BRI = 24** **(g) 22 SUB CON = 59** **(h) 32 CUT OFF = 25** **(i) 35 BLOC= 4** (2) Switch TV to video mode, blue back off, with no signal and press R/C to set picture into normal condition. (3) Go to service mode, select item **31 VSD** (dark screen display) (4) Adjust the Screen so that cut-off line appear in low bright, then judge that whether the cut-off line appear in Red or Green or Blue color, in this condition between CUT-RS & CUT-GS & cut-BS, fix the data of the color appear in cut-off line and adj the other two cut-off data (Note 1) so that cut-off line color become white. (5) Turn the screen VR of FBT so that cut-off line just **disappear**	Note 1: CUT-RS UP RC key "1" (HEX 80) CUT-RS DOWN RC key "4" (HEX 20) CUT-GS UP RC key "2" (HEX 40) CUT-GS DOWN RC key "5" (HEX A0) CUT-BS UP RC key "3" (HEX C0) CUT-BS DOWN RC key "6" (HEX 60)
2	WHITE BALANCE ADJ **(to be done after screen adj)** (I2C BUS CONTROL)	**(1) WHITE (HIGH BEAM)** (In Window Pattern Signal) First use Minolta Color Analyzer CA100, let the gun point at **Dark White** position (as drawing attach), Adj **SUB-BRI** until **LUMINANCE Y** become **4 cd/m2**, then let the gun point at **White** position (as drawing attach), Adj **SUB-CON** until **LUMINANCE Y** become: **150 cd/m2.** Adj the **DRI-RS & DRI-BS** until the axis of color temperature become **12300°K X : 0.272 , Y : 0.275** **(2) DARK WHITE (LOW BEAM)** Let the gun point at **Dark White** position, if the color temperature data shift away from the data adjusted in **Item 1 Screen adjustment,** adjust **CUT-RS, CUT GS & CUT-BS.** Please fix the **first colour appears in Screen adj item step (4) is fixed,** adj the other two so that to obtain the similar axis as above. **** Repeat step 1 & 2 to get a regulated position**	WINDOW PATTERN SIGNAL  ***Note :** Signal using W/B Pattern Generator SX-1006 (IWATSU) or equivalent. Window Pattern Signal output level are as above:

<table>
<tr><th>NO</th><th>ADJUSTMENT POINT</th><th>ADJUSTMENT CONDITION / PROCEDURE</th><th>WAVEFORM OR OTHERS</th></tr>
<tr><td>3</td><td>SUB-BRIGHTNESS
(to be done after screen, white balance adj)
(I2C BUS CONTROL)</td><td>(1) In Window Pattern Signal condition.
(2) Using Minolta Color Analyzer CA-100, let the gun point at Dark White position (as attach drawing), adjust SUB-BRI Bus data until :
<table>
<tr><th rowspan="2">Service mode</th><th rowspan="2">Luminance (cd/m2)</th><th colspan="2">Tolerance (cd/m2)</th></tr>
<tr><th>Upper limit</th><th>Lower limit</th></tr>
<tr><td>Enable</td><td>4.0</td><td>+0.5</td><td>-0.5</td></tr>
<tr><td>Disable</td><td>4.0</td><td>+2.5</td><td>-1.0</td></tr>
</table></td><td>WINDOW PATTERN SIGNAL
 
</td></tr>
<tr><td>4</td><td>SUB-CONTRAST
(to be done after screen, white balance adj, sub-brightness adj)
(I2C BUS CONTROL)</td><td>(1) In Window Pattern Signal condition.
(2) Using Minolta Color Analyzer CA-100, let the gun point at White position (as attach drawing), adjust SUB-CON Bus data until :
<table>
<tr><th rowspan="2">Service mode</th><th rowspan="2">Luminance (cd/m2)</th><th colspan="2">Tolerance (cd/m2)</th></tr>
<tr><th>Upper limit</th><th>Lower limit</th></tr>
<tr><td>Enable</td><td>150.0</td><td>+10</td><td>-10</td></tr>
<tr><td>Disable</td><td>150.0</td><td>+20</td><td>-10</td></tr>
</table></td><td>WINDOW PATTERN SIGNAL
 
</td></tr>
<tr><td>5</td><td>BEAM CURRENT CHECK</td><td>(1) Receive the "Monoscope Pattern" signal.
(2) Press R/C to set Picture NORMAL condition.
(3) Connect the DC miliammeter between TP 603 (+) & TP 602 (-) (Full Scale: 3mA Range).
(4) Beam current must be within : 1000 ± 100μA</td><td></td></tr>
</table>

5. PAL CHROMA ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	SUB COLOUR (I2C BUS CONTROL)	1. Receive the "PAL Split Color Bar" signal. 2. Make the image normal with the remote controller. 3. Connect the oscilloscope to TP47R (R863) RED-OUT. Range : 500mV/Div (AC) (Use Probe 10:1) Sweep time : 10µsec/Div 4. Set the sub color adjustment mode with the remote controller, and vary the sub color data to make 100% W of the color bar and RED at the same level for adjustment shown in Fig. 1-1.	 Fig 1-1

6. NTSC CHROMA ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	SUB-TINT (I2C BUS CONTROL) **(to be done after sub colour adj)**	(1) Receive the "NTSC 3.58 Colour Bar" signal through AV IN from IWATSU SX1006 pattern generator. (2) Connect the oscilloscope to TP47B (R865) BLUE-OUT Range : 500mV/Div (AC) (Use Probe 10:1) Sweep time : 10µsec/Div (3) Select the "SUB-TINT" item in the ADJUSTMENT MODE.. Adjust the "SUB-TINT" data to obtain the waveform shown as Figure 1.2 (W and Mg same level)	 Fig 1-2

7. PROTECTOR OPERATION CHECKING

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	H, V PROTECTOR	(1) Receive "Monoscope Pattern" signal. (2) Connect output of Bias Box to **D602** cathode (C602 positive). (3) Set voltage of Bias Box to **18V** and make sure the protector is not working. (4) Set voltage of Bias Box to **28.5V**. The tv will four times in "ON" and "OFF"condition before the protector ON and switch to standby mode.	
2	OTHER PROTECTOR	(1) Once finish rectified Electrolytic Capacitor short testing in + B line, check all possible damaged components on +B line. (Use random selected set for inspection)	

8. A/V INPUT & OUTPUT CHECKING

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	VIDEO AND AUDIO OUTPUT CHECK	(1) Receive the "PAL Color Bar" signal (100% White Color Bar, Sound 400 Hz 100% Mod). (2) Terminate the Video output with a 75 ohm impedance. Make sure the output is as specified **(1.0 Vp-p ± 3 dB).** (3) Terminate the Audio output with a 10K ohm impedance. Make sure the O/P is as specified **(1.76 Vp-p ± 3 dB).**	
2	VIDEO AND AUDIO INPUT CHECK	(1) Using the TV/VIDEO key on the remote controller, make sure that the modes change in order of TV, AV1,AV2 & TV again and the video & audio output are according to the input terminal for each mode. (2) Video cross-talk AV to TV checking : a) When connect AV1 input, check TV also b) When connect AV2 input, check TV also	**Caution:** AV1 share with YUV. Therefore, if YUV signal is connected to Component In terminal, only component is will detected.
3	COMPONENT IN CHECK	(1) Connect YUV & Audio signal to Component In terminal and Audio terminal. (2) Using the TV/VIDEO key on the remote controller, press it until the modes change to COMPONENT, confirm output is appear. (3) Audio source is share with AV1	

9. FUNCTION OPERATION CHECKING (VIDEO & AUDIO)

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	CONTRAST Key	(1) Receive "Monoscope Pattern" signal. (2) Press to Menu mode, then select Picture Mode and set to select CONTRAST. (3) Press Volume Up/Down key to check whether the CONTRAST effect is OK or not.	
2	COLOUR Key	(1) Receive "Colour Bar" signal. (2) Press to Menu mode, then select Picture Mode and set to select COLOUR. (3) Press Volume Up/Down key to check whether the COLOUR effect is OK or not.	
3	BRIGHTNESS Key	(1) Receive "Monoscope Pattern" signal. (2) Press to Menu mode, then select Picture Mode and set to select BRIGHTNESS. (3) Press Volume Up/Down key to check whether the BRIGHTNESS effect is OK or not.	
4	TINT Key	(1) Receive the "NTSC Colour Bar" signal thru AV in. (2) Press to Menu mode, then select Picture Mode and select TINT. (3) Press Volume Up/Down key to check TINT, UP for GREEN direction and DOWN for RED direction whether is OK or not.	
5	SHARPNESS Key	(1) Receive "Monoscope Pattern" signal. (2) Press to Menu mode, then select Picture Mode and set to select SHARPNESS. (3) Press Volume Up/Down key to check whether the SHARPNESS effect is OK or NOT.	
6	CH DISPLAY COLOUR	(1) All Ch (1~99) will have an OSD display of the channel number in green colour under AFT ON condition.	
7	SURROUND	(1) Receive "music" sound signal. (2) Set MENU, then go into SOUND MENU to select SURROUND. (3) Press VOLUME UP/DOWN key to check SURROUND I, II and OFF effect.	***Note:** 1)If SURROUND I/II ON, Balance function cannot be adjust. 3) SURROUND I: During stereo signal reception produces a spacious sound, making the most of the speaker's performance. 2) SURROUND II : During monaural signal reception creates monaural sound that is similar to stereophonic sound.
8	TREBLE	(1) Receive "music" sound signal. (2) Set MENU, then go into SOUND MENU to select TREBLE. (3) Press VOLUME UP/DOWN key to check TREBLE effect is OK or not.	
9	BASS	(1) Receive "music" sound signal. (2) Set MENU, then go into SOUND MENU to select BASS. (3) Press VOLUME UP/DOWN key to check BASS effect is OK or not.	
10	BALANCE	(1) Receive mono-tone signal. (2) Set MENU, then go into SOUND MENU to select BALANCE. (3) Press VOLUME UP/DOWN key to check whether the left to right BALANCE effect is OK or not.	
11	LOUDNESS	(1) Receive "music" sound signal. (2) Adjust volume to 10. (3) Set MENU, then go into SOUND MENU to select LOUDNESS. (4) Press VOLUME UP/DOWN key to check LOUDNESS effect is OK or not.	***Note:** Please make sure SURROUND is set to OFF. If SURROUND I/II ON, Balance function cannot be adjust

<table>
<tr><th>NO</th><th>ADJUSTMENT POINT</th><th>ADJUSTMENT CONDITION / PROCEDURE</th><th>WAVEFORM OR OTHERS</th></tr>
<tr><td>12</td><td>NORMAL KEY</td><td>(1) Once in Picture Mode,and the NORMAL key is pressed, all the settings will be present to normal setting. (Normal setting of selected AV mode)

<u>MOVIE MODE</u>
CONTRAST 60
COLOUR +6
BRIGHTNESS 0
TINT 0
SHARPNESS +6
WHITE TEMP Mid

<u>MUSIC MODE</u>
CONTRAST 60
COLOUR 0
BRIGHTNESS 0
TINT 0
SHARPNESS 0
WHITE TEMP Mid

<u>NEWS MODE</u>
CONTRAST 50
COLOUR -6
BRIGHTNESS 0
TINT 0
SHARPNESS -6
WHITE TEMP Mid

(2) Once in Audio Menu,and the NORMAL key is pressed, all the settings will be present to normal setting (Normal setting of the selected AV mode)

<u>MOVIE MODE</u>
SURROUND ONII
TREBLE +6
BASS +5
BALANCE 0
AVL OFF
LOUDNESS ON

<u>MUSIC MODE</u>
SURROUND OFF
TREBLE +6
BASS +5
BALANCE 0
AVL OFF
LOUDNESS ON

<u>NEWS MODE</u>
SURROUND OFF
TREBLE 0
BASS 0
BALANCE 0
AVL OFF
LOUDNESS ON</td><td>Note 1:
In NORMAL Mode, when press NORMAL key, will appear NORMAL OSD and all setting will set to normal of the AV mode selected.</td></tr>
<tr><td>13</td><td>WHITE TEMP</td><td>(1) Receive "Monoscope Pattern" signal.
(2) Set FUNCTION to select WHITE TEMP.
(3) Press Volume Up/Down key to check WHITE TEMP Option, STANDARD:
NORMAL SETTING, WARM for more REDDISH direction changing, COOL for more BLUISH direction changing.</td><td></td></tr>
</table>

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR REMARKS
14	COLOUR SYSTEM	(1) Receive the " PAL COLOUR BAR" signal, press the COLOUR SYSTEM key to select modes except PAL, check the COLOUR is not working properly. Then, select the " PAL" mode. Check again its colour so that it is working properly. (2) Receive "SECAM COLOUR BAR" signal, press COLOUR SYSTEM key to select modes except SECAM, check the COLOUR is not working properly. Then, select the "SECAM" mode. Check again its colour so that it is working properly. (3) Receive "NTSC 4.43" signal, press COLOUR SYSTEM key to select modes except NTSC 4.43, check the COLOUR is not working properly. Then, select the "NTSC 4.43" mode. Check again its colour so that it is working properly. (4) Receive "NTSC 4.43/3.58 COLOUR BAR" signal thru AV, press COLOUR SYSTEM key to select modes except N4.43/3.58, check the COLOUR is not working properly. Then, select the "NTSC 4.43/3.58" mode. Check again its colour so that it is working properly.	
15	SOUND SYSTEM	(1) Receive "PAL-D/K" signal, press the "SOUND SYSTEM" to select B/G, I. Check the sound output is not working properly. Select D/K and check the sound output to make sure it is working properly. (2) Receive "PAL-I" signal, press the "SOUND SYSTEM" to select B/G, D/K. Check the sound output is not working properly. Select I and check the sound output to make sure it is working properly. (3) Receive "PAL-B/G" signal, press the "SOUND SYSTEM" to select I, D/K. Check the sound output is not working properly. Select B/G and check the sound output to make sure it is working properly.	
16	M.P.IN CHECKING	(1) Turn up the volume control to maximum, make sure the sound is heard from speakers. (2) Make sure M.P. IN feature is set to ON. (3) Plug in stereo cable in M.P.In terminal. (4) '**M.P.IN**' OSD will appear at bottom right corner TV screen, RF channel sound will be switched to M.P.In sound. (5) Check the sound is normal.	***Note:** For model with M.P.in feature
17	NOISE MUTE CHECKING	(1) Receive mono-tone signal. (2) Turn up the volume control to maximum, make sure the sound is heard from the speakers. Then put the unit in no signal state. (3) Check the sound mute is effective. (4) Finally turn sound level of CTV to minimum.	
18	OSD LANGUAGE QUANTITY CHECK	(1) Check OSD LANGUAGE quantity and type for respective model.	

MODEL	QUANTITY	ENGLISH	FRENCH	ARAB	RUSSIA
21S-FX10F/10S 21S-FX10N/10U	4	O	O	O	O

10. SHOCK TEST CHECKING

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	SHOCK TEST	(1) Hit at the top of TV set for two time. (2) Check TV set not damage and TV operation operate correctly.	

CHAPTER 4. MEMORY MAP

[1] MEMORY MAP

EEPROM CHECK DATA LIST 1

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT [hex]	RANGE [hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0000	LOCKING PASSWORD								0000	0000-270F							
0001																	
0002	PACKAGE NUMBER (MSB)								03	00-FF							
0003	PACKAGE NUMBER (LSB)								13H	00-FF							
0004																	
0005																	
0006																	
0007																	
0008	RF-AGC (01)								17	00-3F							
0009	V-SLOPE (02)								1F	00-3F							
000A	V-SHI-50 (03)								24	00-3F							
000B	V-AMP-50 (04)								14	00-3F							
000C	H-SHI-50 (05)								1E	00-3F							
000D	EW-W-50 (06)								1C	00-3F							
000E	E/W-PAR-50 (07)								24	00-3F							
000F	H-PAR (08)								1E	00-3F							
0010	H-BOW (09)								1E	00-3F							
0011	UPCOR-PAR (10)								2A	00-3F							
0012	LOCOR-PAR (11)								2C	00-3F							
0013	E/W-TRAP (12)								1E	00-3F							
0014	V-LIN (13)								20	00-3F							
0015	S-COR (14)								20	00-3F							
0016	DRI-RS (15)								20	00-3F							
0017	DRI-GS (16)								20	00-3F							
0018	DRI-BS (17)								20	00-3F							
0019	CUT-RS (18)								10	00-3F							
001A	CUT-GS (19)								10	00-3F							
001B	SUB-BRI (21)								18	00-3F							
001C	SUB-CON (22)								3B	00-3F							
001D	SUB-COL (23)								0A	00-3F							
001E	SUB-TINT (24)								24	00-3F							
001F	SUB-SHARP (25)								20	00-3F							
0020	DRI-RS-DVD								21	00-3F							
0021	DRI-GS-DVD								20	00-3F							
0022	DRI-BS-DVD								21	00-3F							
0023	CUT-RS-DVD								21	00-3F							
0024	CUT-GS-DVD								29	00-3F							
0025	SUB-BRI-DVD								1C	00-3F							
0026	SUB-CON-DVD								1F	00-3F							
0027	SUB-TINT-DVD								1A	00-3F							
0028	DRI-RC								1F	00-3F							
0029	DRI-GC								20	00-3F							
002A	DRI-BC								28	00-3F							
002B	CUT-RC								20	00-3F							
002C	CUT-GC								20	00-3F							
002D	DRI-RW								22	00-3F							
002E	DRI-GW								20	00-3F							
002F	DRI-BW								1D	00-3F							
0030	CUT-RW								20	00-3F							
0031	CUT-GW								20	00-3F							
0032	DRI-RC-DVD								1F	00-3F							
0033	DRI-GC-DVD								20	00-3F							
0034	DRI-BC-DVD								28	00-3F							
0035	CUT-RC-DVD								20	00-3F							
0036	CUT-GC-DVD								20	00-3F							
0037	DRI-RW-DVD								22	00-3F							
0038	DRI-GW-DVD								20	00-3F							
0039	DRI-BW-DVD								1D	00-3F							
003A	CUT-RW-DVD								20	00-3F							
003B	CUT-GW-DVD								20	00-3F							
003C	VER-SHI-P50								27	00-3F							
003D	VER-AMP-P50								23	00-3F							
003E	H0R-SHI-P50								1F	00-3F							
003F	EW-W-P50								0B	00-3F							

MODEL
IXC324WJZZQ
LETTER NO.

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 2

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT [hex]	RANGE [hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0040	E/W-PAR-P50								20	00-3F							
0041	V-SHI-60 (26)								1F	00-3F							
0042	V-AMP-60 (27)								1F	00-3F							
0043	H-SHI-60 (28)								26	00-3F							
0044	EW-W-60 (29)								20	00-3F							
0045	E/W-PAR-60 (30)								1F	00-3F							
0046	VER-SHI-P60								24	00-3F							
0047	VER-AMP-P60								25	00-3F							
0048	H0R-SHI-P60								25	00-3F							
0049	EW-W-P60								0A	00-3F							
004A	E/W-PAR-P60								1E	00-3F							
004B	CUT OFF (32)								19	00-3F							
004C	DCXO (33)								02	00-04							
004D	DRI-RLC (40)								20	00-3F							
004E	DRI-GLC (41)								20	00-3F							
004F	DRI-BLC (42)								20	00-3F							
0050	CUT-RLC (43)								20	00-3F							
0051	CUT-GLC (44)								20	00-3F							
0052	DRI-RLW (30)								20	00-3F							
0053	DRI-GLW (31)								20	00-3F							
0054	DRI-BLW (32)								20	00-3F							
0055	CUT-RLW (33)								20	00-3F							
0056	CUT-GLW (34)								20	00-3F							
0057	DRI-RLC-DVD (67)								20	00-3F							
0058	DRI-GLC-DVD (68)								20	00-3F							
0059	DRI-BLC-DVD (69)								20	00-3F							
005A	CUT-RLC-DVD (70)								20	00-3F							
005B	CUT-GLC-DVD (71)								20	00-3F							
005C	DRI-RLW-DVD (57)								20	00-3F							
005D	DRI-GLW-DVD (58)								20	00-3F							
005E	DRI-BLW-DVD (59)								20	00-3F							
005F	CUT-RLW-DVD (60)								20	00-3F							
0060	CUT-GLW-DVD (61)								20	00-3F							
0061	OF-COL-TV								1C	00-3E							
0062	OF-COL-AV								27	00-3E							
0063	OF-COL-DVD								2D	00-3E							
0064	OF-COL-P								28	00-3E							
0065	OF-COL-S								24	00-3E							
0066	OF-COL-N4								27	00-3E							
0067	OF-COL-N3								27	00-3E							
0068	OF-SHP-TV								21	00-3E							
0069	OF-SHP-AV								2B	00-3E							
006A	OF-SHP-DVD								2B	00-3E							
006B	OF-SHP-P								23	00-3E							
006C	OF-SHP-S								1F	00-3E							
006D	OF-SHP-N4								1F	00-3E							
006E	OF-SHP-N3								28	00-3E							
006F	OF-TINT-TV								14	00-3E							
0070	OF-TINT-AV								1E	00-3E							
0071	OFFSET OF COL DVD FIELD FREQ 60HZ								1F	00-3E							
0072	OF-TINT-ADJ								1F	00-3E							
0073	BB-TINT								20	00-3F							
0074	U-BASS MUSC								0F	00-3C							
0075	U-BASS NEWS								0A	00-3C							
0076	U-BASS MOV								0F	00-3C							
0077	U-TREBLE MUSC								10	00-3C							
0078	U-TREBLE NEWS								0A	00-3C							
0079	U-TREBLE MOV								10	00-3C							
007A	U-BRI-MUSC								1E	00-3E							
007B	U-BRI-NEWS								1E	00-3E							
007C	U-BRI-MOV								1E	00-3E							
007D	U-COL-MUSC								1E	00-3E							
007E	U-COL-NEWS								18	00-3E							
007F	U-COL-MOV								24	00-3E							

MODEL
IXC324WJZZQ
LETTER NO.

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 3

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT [hex]	RANGE [hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
0080	U-CON-MUSC								3C	00-3C							
0081	U-CON-NEWS								32	00-3C							
0082	U-CON-MOV								3C	00-3C							
0083	U-SHP-MUSC								1E	00-3E							
0084	U-SHP-NEWS								18	00-3E							
0085	U-SHP-MOV								24	00-3E							
0086	OSD-BRIGHTNESS								1F	00-1F							
0087	V-POS-OSD								30	00-3F							
0088	H-POS-OSD								01	00-3F							
0089	AUTO-AGC-MAX								0F	00-20							
008A	SVM2-0-NTSC								05	00-07							
008B	VER-AMP-START								19	00-3F							
008C	OFFSET_OF_COL_DVD_FIELD_FREQ_50HZ								1F	00-3E							
008D	V-POS-OSD60HZ								1A	00-3F							
008E	SMEL-GAIN								B0	00-FF							
008F	FDAC-VOL1								0F	00-3C							
0090	FDAC-VOL2								1E	00-3C							
0091	FDAC-VOL3								2D	00-3C							
0092																	
0093	OFFSET_TINT_N443								1F	00-3E							
0094																	
0095																	
0096																	
0097																	
0098																	
0099	OPTION_HOTEL_MAX_VOL								05	003C							
009A	OPTION_HOTEL_PRG								02	00-63							
009B	SUB-VOL (36)								3C	00-3C							
009C	OFFSET_SHARPNESS_LNA								14	00-3F							
009D	STARTMER1								CF	00-FF							
009E	STOPMER								00	00-FF							
009F	CUT-BS (20)								10	00-3F							
00A0	CUT-BS-DVD								20	00-3F							
00A1	STARTMER2								A9	00-FF							
00A2	OFF_CON								20	00-3F							
00A3	OFF_BRI								20	00-3F							
00A4	AV2_BRI								23	00-3F							
00A5	FTUN_OFFSDEM_IF								16	00-3F							
00A6																	
00A7																	
00A8	CONTRAST (MUSIC)								3C	00-3C							
00A9	COLOUR (MUSIC)								1E	00-3C							
00AA	BRIGHTNESS (MUSIC)								1E	00-3C							
00AB	TINT (MUSIC)								1E	00-3C							
00AC	SHARPNESS (MUSIC)								1E	00-3C							
00AD	BASS (MUSIC)								0F	00-14							
00AE	TREBLE (MUSIC)								10	00-14							
00AF	CONTRAST (NEWS)								32	00-3C							
00B0	COLOUR (NEWS)								18	00-3C							
00B1	BRIGHTNESS (NEWS)								1E	00-3C							
00B2	TINT (NEWS)								1E	00-3C							
00B3	SHARPNESS (NEWS)								18	00-3C							
00B4	BASS (NEWS)								0A	00-14							
00B5	TREBLE (NEWS)								0A	00-14							
00B6	CONTRAST (MOVIE)								3C	00-3C							
00B7	COLOUR (MOVIE)								24	00-3C							
00B8	BRIGHTNESS (MOVIE)								1E	00-3C							
00B9	TINT (MOVIE)								1E	00-3C							
00BA	SHARPNESS (MOVIE)								24	00-3C							
00BB	BASS (MOVIE)								0F	00-14							
00BC	TREBLE (MOVIE)								10	00-14							
00BD	VOLUME								00	00-3C							
00BE	BALANCE								1E	00-3C							
00BF	LAST PROGRAM								01	00-66							
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 4

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT [hex]	RANGE [hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
00C0	APRV_FAVOURITE_KEY_RED								0A	00-66							
00C1	APRV_FAVOURITE_KEY_GREEN								14	00-66							
00C2	APRV_FAVOURITE_KEY_YELLOW								1E	00-66							
00C3	APRV_FAVOURITE_KEY_CYAN								28	00-66							
00C4	APRV_USER_FE_PROGRAM								01	00-63							
00C5	APRV_USER_AV_PROGRAM								64	64-66							
00C6	AVL_VOL_STEPDOWNLEVEL0								03	00-FF							
00C7	AVL_VOL_STEPDOWNLEVEL1								08	00-FF							
00C8	AVL_VOL_STEPDOWNLEVEL2								0A	00-FF							
00C9																	
00CA																	
00CB																	
00CC																	
00CD	TUNER BAND						TUNER_SELECTION		02	00-83							
00CE																	
00CF																	
00D0																	
00D1																	
00D2	YD SECAM				YD PAL				21	00-FF							
00D3	YD N443				YD N358				11	00-FF							
00D4	YD AV-SECAM				YD AV-PAL				40	00-FF							
00D5	YD AV-N443				YD AV-N358				00	00-FF							
00D6	CL3-0				YD COMP				67	00-FF							
00D7	PW-TIME				SVM2-0-PAL				35	00-37							
00D8	WBR-50-F-C-P				WBF-50-F-C-P				66	00-FF							
00D9	WBR-60-F-C-P				WBF-60-F-C-P				84	00-FF							
00DA	BLOC (35)				LOUDNESS_LDS0-2				41	00-F7							
00DB	FTUN_OFFSDEM_IF				PWLDAC				04	00-0F							
00DC	WBF-60-F-C-P (during Blue Back)				WBF-50-F-C-P (during Blue Back)				0B	00-FF							
00DD	LOUDNESS_LD2 (SHAKIT only)				LOUDNESS_LD1 (SHAKIT only)				45	00-77							
00DE	LOUDNESS_LD4 (SHAKIT only)				LOUDNESS_LD3 (SHAKIT only)				13	00-77							
00DF	WHITE TEMP (MUSIC)				FZOM_ZOOM_MODE				16	26							
00E0	WHITE TEMP (MOVIE)				LANGUAGE				10	22							LANGUAGE: 0 = English 1 = Chinese 2 = Melayu
00E1					WHITET TEMP (NEWS)				01	02							
00E2																	
00E3																	
00E4																	
00E5																	
00E6	PEAKFREQPALN		PEAKFREQPALM		PEAKFREQPAL443		COR1-0		04	00-FF							
00E7	PEAKFREQDVD		PEAKFREQSECAM		PEAKFREQNTSCM		PEAKFREQNTSC443		D1	00-FF							
00E8	PW-LAST		AUDIO-CFG		PHI		H-POS-FINE		5D	00AF							
00E9	PRESET_WS_NEWS		PRESET_COR_NEWS		PRESET_WS_MUSC		PRESET_COR_MUSC		77	00-FF							
00EA	PRESET_WS_CTM		PRESET_COR_CTM		PRESET_WS_MOV		PRESET_COR_MOV		77	00-FF							
00EB	PRESET_SURROUND_NEWS		PRESET_SURROUND_MUSC		TREBLE_FREQ_SELECTION		BASS_FREQ_SELECTION		02	00-AF							
00EC	RPA		SOC		AAS0_1		PRESET_SURROUND_MOV		92	00-BE							
00ED	PSYS_CHSE_COLOR		LANGIAGE_OPTION		FSND_AGNE_SELECTION		RPO		04	00-1F							
00EE																	
00EF	SURROUND (NEWS)		SURROUND (MUSIC)		DIGIT ENTRY MODE		AV MODE		04	A6							
00F0					AIR / CABLE		SURROUND (MOVIE)		02	02							
00F1																	
00F2																	
00F3																	
00F4	PWL	VSD (31)	VIRGIN	BPB2	FMI	MUS	PHI FORCE	DSK-NOT-PAL-AV	92	00-FF							
00F5	DSK-NOT-PAL-DVD	DSK-PAL-DVD	DSK-PAL-AV	BKS	GAM	BSD	LCKEY-SRV-ENTER	INCL-AV	1B	00-FF							
00F6	AVL_GAIN	AVL	ISP MODE (34)	AEVS_ITEM_POR	ERR-VERTG	ERR-SUPVOL	ERR-XRAY	ERR-1-8-SUP	0C	00-BF							
00F7	OPTION_SMUTE_L	CP-TUNER	TFR	OPTION_HOTEL	LOUDNESS_HIGH_BOOST	DTR	AGN	DSG	49	00-7D							
00F8	OPTION_SURROUND	OPTION_DVD	OPTION_AV2	MULTI21_SYS_OPTION	DMP50_SELECTION	CB	DSGLS_SELECTION	CBS	E4	00-F5							
00F9		OPTION_AVL_OSD	OPTION_TREBLE_LIMIT	OPTION_BASS_LIMIT	OPTION_AVL_ON_VOL_TBL	OPTION_LNA_BOOSTER	OPTION_SHAKIT	OPTION_MPIN	45	00-7F							
00FA	AUTO SELECT	M.P. IN	BLUE BACK	LAST POWER	LOCK TV	AVL	SAVE MODE	PICTURE NR (MUSIC)	F0	00-7D							
00FB			PICTURE NR (NEWS)	PICTURE NR (MOVIE)			S-BOOSTER	LOUDNESS	01	00-33							
00FC																	
00FD																	
00FE																	
00FF																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 5

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0100	TV-FREQUENCY-CH00								24	034D-							
0101									D1	4399							
0102	TV-FREQUENCY-CH01								24	034D-							
0103									D1	4399							
0104	TV-FREQUENCY-CH02								24	034D-							
0105									D1	4399							
0106	TV-FREQUENCY-CH03								24	034D-							
0107									D1	4399							
0108	TV-FREQUENCY-CH04								24	034D-							
0109									D1	4399							
010A	TV-FREQUENCY-CH05								24	034D-							
010B									D1	4399							
010C	TV-FREQUENCY-CH06								24	034D-							
010D									D1	4399							
010E	TV-FREQUENCY-CH07								24	034D-							
010F									D1	4399							
0110	TV-FREQUENCY-CH08								24	034D-							
0111									D1	4399							
0112	TV-FREQUENCY-CH09								24	034D-							
0113									D1	4399							
0114	TV-FREQUENCY-CH10								24	034D-							
0115									D1	4399							
0116	TV-FREQUENCY-CH11								24	034D-							
0117									D1	4399							
0118	TV-FREQUENCY-CH12								24	034D-							
0119									D1	4399							
011A	TV-FREQUENCY-CH13								24	034D-							
011B									D1	4399							
011C	TV-FREQUENCY-CH14								24	034D-							
011D									D1	4399							
011E	TV-FREQUENCY-CH15								24	034D-							
011F									D1	4399							
0120	TV-FREQUENCY-CH16								24	034D-							
0121									D1	4399							
0122	TV-FREQUENCY-CH17								24	034D-							
0123									D1	4399							
0124	TV-FREQUENCY-CH18								24	034D-							
0125									D1	4399							
0126	TV-FREQUENCY-CH19								24	034D-							
0127									D1	4399							
0128	TV-FREQUENCY-CH20								24	034D-							
0129									D1	4399							
012A	TV-FREQUENCY-CH21								24	034D-							
012B									D1	4399							
012C	TV-FREQUENCY-CH22								24	034D-							
012D									D1	4399							
012E	TV-FREQUENCY-CH23								24	034D-							
012F									D1	4399							
0130	TV-FREQUENCY-CH24								24	034D-							
0131									D1	4399							
0132	TV-FREQUENCY-CH25								24	034D-							
0133									D1	4399							
0134	TV-FREQUENCY-CH26								24	034D-							
0135									D1	4399							
0136	TV-FREQUENCY-CH27								24	034D-							
0137									D1	4399							
0138	TV-FREQUENCY-CH28								24	034D-							
0139									D1	4399							
013A	TV-FREQUENCY-CH29								24	034D-							
013B									D1	4399							
013C	TV-FREQUENCY-CH30								24	034D-							
013D									D1	4399							
013E	TV-FREQUENCY-CH31								24	034D-							
013F									D1	4399							
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 6

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT(hex)	RANGE(hex)	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
0140	TV-FREQUENCY-CH32								24	034D-4399							
0141									D1								
0142	TV-FREQUENCY-CH33								24	034D-4399							
0143									D1								
0144	TV-FREQUENCY-CH34								24	034D-4399							
0145									D1								
0146	TV-FREQUENCY-CH35								24	034D-4399							
0147									D1								
0148	TV-FREQUENCY-CH36								24	034D-4399							
0149									D1								
014A	TV-FREQUENCY-CH37								24	034D-4399							
014B									D1								
014C	TV-FREQUENCY-CH38								24	034D-4399							
014D									D1								
014E	TV-FREQUENCY-CH39								24	034D-4399							
014F									D1								
0150	TV-FREQUENCY-CH40								24	034D-4399							
0151									D1								
0152	TV-FREQUENCY-CH41								24	034D-4399							
0153									D1								
0154	TV-FREQUENCY-CH42								24	034D-4399							
0155									D1								
0156	TV-FREQUENCY-CH43								24	034D-4399							
0157									D1								
0158	TV-FREQUENCY-CH44								24	034D-4399							
0159									D1								
015A	TV-FREQUENCY-CH45								24	034D-4399							
015B									D1								
015C	TV-FREQUENCY-CH46								24	034D-4399							
015D									D1								
015E	TV-FREQUENCY-CH47								24	034D-4399							
015F									D1								
0160	TV-FREQUENCY-CH48								24	034D-4399							
0161									D1								
0162	TV-FREQUENCY-CH49								24	034D-4399							
0163									D1								
0164	TV-FREQUENCY-CH50								24	034D-4399							
0165									D1								
0166	TV-FREQUENCY-CH51								24	034D-4399							
0167									D1								
0168	TV-FREQUENCY-CH52								24	034D-4399							
0169									D1								
016A	TV-FREQUENCY-CH53								24	034D-4399							
016B									D1								
016C	TV-FREQUENCY-CH54								24	034D-4399							
016D									D1								
016E	TV-FREQUENCY-CH55								24	034D-4399							
016F									D1								
0170	TV-FREQUENCY-CH56								24	034D-4399							
0171									D1								
0172	TV-FREQUENCY-CH57								24	034D-4399							
0173									D1								
0174	TV-FREQUENCY-CH58								24	034D-4399							
0175									D1								
0176	TV-FREQUENCY-CH59								24	034D-4399							
0177									D1								
0178	TV-FREQUENCY-CH60								24	034D-4399							
0179									D1								
017A	TV-FREQUENCY-CH61								24	034D-4399							
017B									D1								
017C	TV-FREQUENCY-CH62								24	034D-4399							
017D									D1								
017E	TV-FREQUENCY-CH63								24	034D-4399							
017F									D1								
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 7

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS (HEX)	DATA D7	D6	D5	D4	D3	D2	D1	D0	MICON DEFAULT [hex]	EEPROM RANGE [hex]	EEPROM WRITE(CPU)	CHASSIS CHECK DATA	CHASSIS CHECK TYPE	CTV FINAL CHECK DATA	CTV FINAL CHECK TYPE	LAST INITIAL SETTING DATA	REMARK
0180	TV-FREQUENCY-CH64								24	034D-							
0181									D1	4399							
0182	TV-FREQUENCY-CH65								24	034D-							
0183									D1	4399							
0184	TV-FREQUENCY-CH66								24	034D-							
0185									D1	4399							
0186	TV-FREQUENCY-CH67								24	034D-							
0187									D1	4399							
0188	TV-FREQUENCY-CH68								24	034D-							
0189									D1	4399							
018A	TV-FREQUENCY-CH69								24	034D-							
018B									D1	4399							
018C	TV-FREQUENCY-CH70								24	034D-							
018D									D1	4399							
018E	TV-FREQUENCY-CH71								24	034D-							
018F									D1	4399							
0190	TV-FREQUENCY-CH72								24	034D-							
0191									D1	4399							
0192	TV-FREQUENCY-CH73								24	034D-							
0193									D1	4399							
0194	TV-FREQUENCY-CH74								24	034D-							
0195									D1	4399							
0196	TV-FREQUENCY-CH75								24	034D-							
0197									D1	4399							
0198	TV-FREQUENCY-CH76								24	034D-							
0199									D1	4399							
019A	TV-FREQUENCY-CH77								24	034D-							
019B									D1	4399							
019C	TV-FREQUENCY-CH78								24	034D-							
019D									D1	4399							
019E	TV-FREQUENCY-CH79								24	034D-							
019F									D1	4399							
01A0	TV-FREQUENCY-CH80								24	034D-							
01A1									D1	4399							
01A2	TV-FREQUENCY-CH81								24	034D-							
01A3									D1	4399							
01A4	TV-FREQUENCY-CH82								24	034D-							
01A5									D1	4399							
01A6	TV-FREQUENCY-CH83								24	034D-							
01A7									D1	4399							
01A8	TV-FREQUENCY-CH84								24	034D-							
01A9									D1	4399							
01AA	TV-FREQUENCY-CH85								24	034D-							
01AB									D1	4399							
01AC	TV-FREQUENCY-CH86								24	034D-							
01AD									D1	4399							
01AE	TV-FREQUENCY-CH87								24	034D-							
01AF									D1	4399							
01B0	TV-FREQUENCY-CH88								24	034D-							
01B1									D1	4399							
01B2	TV-FREQUENCY-CH89								24	034D-							
01B3									D1	4399							
01B4	TV-FREQUENCY-CH90								24	034D-							
01B5									D1	4399							
01B6	TV-FREQUENCY-CH91								24	034D-							
01B7									D1	4399							
01B8	TV-FREQUENCY-CH92								24	034D-							
01B9									D1	4399							
01BA	TV-FREQUENCY-CH93								24	034D-							
01BB									D1	4399							
01BC	TV-FREQUENCY-CH94								24	034D-							
01BD									D1	4399							
01BE	TV-FREQUENCY-CH95								24	034D-							
01BF									D1	4399							
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 8

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
01C0	TV-FREQUENCY-CH96								24	034D-							
01C1									D1	4399							
01C2	TV-FREQUENCY-CH97								24	034D-							
01C3									D1	4399							
01C4	TV-FREQUENCY-CH98								24	034D-							
01C5									D1	4399							
01C6	TV-FREQUENCY-CH99								24	034D-							
01C7									D1	4399							
01C8	COLOUR SYSTEM-CH01								19	04-19							19=AUTO 08=PAL 10=SECAM 04=NTSC4.43 07=NTSC3.58 (Caution: Please do not set to other value)
01C9	COLOUR SYSTEM-CH00								19	04-19							
01CA	COLOUR SYSTEM-CH03								19	04-19							
01CB	COLOUR SYSTEM-CH02								19	04-19							
01CC	COLOUR SYSTEM-CH05								19	04-19							
01CD	COLOUR SYSTEM-CH04								19	04-19							
01CE	COLOUR SYSTEM-CH07								19	04-19							
01CF	COLOUR SYSTEM-CH06								19	04-19							
01D0	COLOUR SYSTEM-CH09								19	04-19							
01D1	COLOUR SYSTEM-CH08								19	04-19							
01D2	COLOUR SYSTEM-CH11								19	04-19							
01D3	COLOUR SYSTEM-CH10								19	04-19							
01D4	COLOUR SYSTEM-CH13								19	04-19							
01D5	COLOUR SYSTEM-CH12								19	04-19							
01D6	COLOUR SYSTEM-CH15								19	04-19							
01D7	COLOUR SYSTEM-CH14								19	04-19							
01D8	COLOUR SYSTEM-CH17								19	04-19							
01D9	COLOUR SYSTEM-CH16								19	04-19							
01DA	COLOUR SYSTEM-CH19								19	04-19							
01DB	COLOUR SYSTEM-CH18								19	04-19							
01DC	COLOUR SYSTEM-CH21								19	04-19							
01DD	COLOUR SYSTEM-CH20								19	04-19							
01DE	COLOUR SYSTEM-CH23								19	04-19							
01DF	COLOUR SYSTEM-CH22								19	04-19							
01E0	COLOUR SYSTEM-CH25								19	04-19							
01E1	COLOUR SYSTEM-CH24								19	04-19							
01E2	COLOUR SYSTEM-CH27								19	04-19							
01E3	COLOUR SYSTEM-CH26								19	04-19							
01E4	COLOUR SYSTEM-CH29								19	04-19							
01E5	COLOUR SYSTEM-CH28								19	04-19							
01E6	COLOUR SYSTEM-CH31								19	04-19							
01E7	COLOUR SYSTEM-CH30								19	04-19							
01E8	COLOUR SYSTEM-CH33								19	04-19							
01E9	COLOUR SYSTEM-CH32								19	04-19							
01EA	COLOUR SYSTEM-CH35								19	04-19							
01EB	COLOUR SYSTEM-CH34								19	04-19							
01EC	COLOUR SYSTEM-CH37								19	04-19							
01ED	COLOUR SYSTEM-CH36								19	04-19							
01EE	COLOUR SYSTEM-CH39								19	04-19							
01EF	COLOUR SYSTEM-CH38								19	04-19							
01F0	COLOUR SYSTEM-CH41								19	04-19							
01F1	COLOUR SYSTEM-CH40								19	04-19							
01F2	COLOUR SYSTEM-CH43								19	04-19							
01F3	COLOUR SYSTEM-CH42								19	04-19							
01F4	COLOUR SYSTEM-CH45								19	04-19							
01F5	COLOUR SYSTEM-CH44								19	04-19							
01F6	COLOUR SYSTEM-CH47								19	04-19							
01F7	COLOUR SYSTEM-CH46								19	04-19							
01F8	COLOUR SYSTEM-CH49								19	04-19							
01F9	COLOUR SYSTEM-CH48								19	04-19							
01FA	COLOUR SYSTEM-CH51								19	04-19							
01FB	COLOUR SYSTEM-CH50								19	04-19							
01FC	COLOUR SYSTEM-CH53								19	04-19							
01FD	COLOUR SYSTEM-CH52								19	04-19							
01FE	COLOUR SYSTEM-CH55								19	04-19							
01FF	COLOUR SYSTEM-CH54								19	04-19							

MODEL
IXC324WJZZQ
LETTER NO.

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 9

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0200	COLOUR SYSTEM-CH57								19	04-19							19=AUTO 08=PAL 10=SECAM 04=NTSC4.43 07=NTSC3.58 (Caution: Please do not set to other value)
0201	COLOUR SYSTEM-CH56								19	04-19							
0202	COLOUR SYSTEM-CH59								19	04-19							
0203	COLOUR SYSTEM-CH58								19	04-19							
0204	COLOUR SYSTEM-CH61								19	04-19							
0205	COLOUR SYSTEM-CH60								19	04-19							
0206	COLOUR SYSTEM-CH63								19	04-19							
0207	COLOUR SYSTEM-CH62								19	04-19							
0208	COLOUR SYSTEM-CH65								19	04-19							
0209	COLOUR SYSTEM-CH64								19	04-19							
020A	COLOUR SYSTEM-CH67								19	04-19							
020B	COLOUR SYSTEM-CH66								19	04-19							
020C	COLOUR SYSTEM-CH69								19	04-19							
020D	COLOUR SYSTEM-CH68								19	04-19							
020E	COLOUR SYSTEM-CH71								19	04-19							
020F	COLOUR SYSTEM-CH70								19	04-19							
0210	COLOUR SYSTEM-CH73								19	04-19							
0211	COLOUR SYSTEM-CH72								19	04-19							
0212	COLOUR SYSTEM-CH75								19	04-19							
0213	COLOUR SYSTEM-CH74								19	04-19							
0214	COLOUR SYSTEM-CH77								19	04-19							
0215	COLOUR SYSTEM-CH76								19	04-19							
0216	COLOUR SYSTEM-CH79								19	04-19							
0217	COLOUR SYSTEM-CH78								19	04-19							
0218	COLOUR SYSTEM-CH81								19	04-19							
0219	COLOUR SYSTEM-CH80								19	04-19							
021A	COLOUR SYSTEM-CH83								19	04-19							
021B	COLOUR SYSTEM-CH82								19	04-19							
021C	COLOUR SYSTEM-CH85								19	04-19							
021D	COLOUR SYSTEM-CH84								19	04-19							
021E	COLOUR SYSTEM-CH87								19	04-19							
021F	COLOUR SYSTEM-CH86								19	04-19							
0220	COLOUR SYSTEM-CH89								19	04-19							
0221	COLOUR SYSTEM-CH88								19	04-19							
0222	COLOUR SYSTEM-CH91								19	04-19							
0223	COLOUR SYSTEM-CH90								19	04-19							
0224	COLOUR SYSTEM-CH93								19	04-19							
0225	COLOUR SYSTEM-CH92								19	04-19							
0226	COLOUR SYSTEM-CH95								19	04-19							
0227	COLOUR SYSTEM-CH94								19	04-19							
0228	COLOUR SYSTEM-CH97								19	04-19							
0229	COLOUR SYSTEM-CH96								19	04-19							
022A	COLOUR SYSTEM-CH99								19	04-19							
022B	COLOUR SYSTEM-CH98								19	04-19							
022C	SOUND SYSTEM-CH01									00-03							0 = M 1 = B/G 2 = I 3 = D/K (Caution: Please do not set to other value) MICON DEFAULT is based on the setting "FACTORY SHIPOUT SOUND SYSTEM"(Please refer to address 0x6FE)
022D	SOUND SYSTEM-CH00									00-03							
022E	SOUND SYSTEM-CH03									00-03							
022F	SOUND SYSTEM-CH02									00-03							
0230	SOUND SYSTEM-CH05									00-03							
0231	SOUND SYSTEM-CH04									00-03							
0232	SOUND SYSTEM-CH07									00-03							
0233	SOUND SYSTEM-CH06									00-03							
0234	SOUND SYSTEM-CH09									00-03							
0235	SOUND SYSTEM-CH08									00-03							
0236	SOUND SYSTEM-CH11									00-03							
0237	SOUND SYSTEM-CH10									00-03							
0238	SOUND SYSTEM-CH13									00-03							
0239	SOUND SYSTEM-CH12									00-03							
023A	SOUND SYSTEM-CH15									00-03							
023B	SOUND SYSTEM-CH14									00-03							
023C	SOUND SYSTEM-CH17									00-03							
023D	SOUND SYSTEM-CH16									00-03							
023E	SOUND SYSTEM-CH19									00-03							
023F	SOUND SYSTEM-CH18									00-03							

MODEL
IXC324WJZZQ
LETTER NO.

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 10

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
0240	SOUND SYSTEM-CH21									00-03							0 = M 1 = B/G 2 = I 3 = D/K (Caution: Please do not set to other value) MICON DEFAULT is based on the setting "FACTORY SHIPOUT SOUND SYSTEM"(Please refer to address 0x6FE)
0241	SOUND SYSTEM-CH20									00-03							
0242	SOUND SYSTEM-CH23									00-03							
0243	SOUND SYSTEM-CH22									00-03							
0244	SOUND SYSTEM-CH25									00-03							
0245	SOUND SYSTEM-CH24									00-03							
0246	SOUND SYSTEM-CH27									00-03							
0247	SOUND SYSTEM-CH26									00-03							
0248	SOUND SYSTEM-CH29									00-03							
0249	SOUND SYSTEM-CH28									00-03							
024A	SOUND SYSTEM-CH31									00-03							
024B	SOUND SYSTEM-CH30									00-03							
024C	SOUND SYSTEM-CH33									00-03							
024D	SOUND SYSTEM-CH32									00-03							
024E	SOUND SYSTEM-CH35									00-03							
024F	SOUND SYSTEM-CH34									00-03							
0250	SOUND SYSTEM-CH37									00-03							
0251	SOUND SYSTEM-CH36									00-03							
0252	SOUND SYSTEM-CH39									00-03							
0253	SOUND SYSTEM-CH38									00-03							
0254	SOUND SYSTEM-CH41									00-03							
0255	SOUND SYSTEM-CH40									00-03							
0256	SOUND SYSTEM-CH43									00-03							
0257	SOUND SYSTEM-CH42									00-03							
0258	SOUND SYSTEM-CH45									00-03							
0259	SOUND SYSTEM-CH44									00-03							
025A	SOUND SYSTEM-CH47									00-03							
025B	SOUND SYSTEM-CH46									00-03							
025C	SOUND SYSTEM-CH49									00-03							
025D	SOUND SYSTEM-CH48									00-03							
025E	SOUND SYSTEM-CH51									00-03							
025F	SOUND SYSTEM-CH50									00-03							
0260	SOUND SYSTEM-CH53									00-03							
0261	SOUND SYSTEM-CH52									00-03							
0262	SOUND SYSTEM-CH55									00-03							
0263	SOUND SYSTEM-CH54									00-03							
0264	SOUND SYSTEM-CH57									00-03							
0265	SOUND SYSTEM-CH56									00-03							
0266	SOUND SYSTEM-CH59									00-03							
0267	SOUND SYSTEM-CH58									00-03							
0268	SOUND SYSTEM-CH61									00-03							
0269	SOUND SYSTEM-CH60									00-03							
026A	SOUND SYSTEM-CH63									00-03							
026B	SOUND SYSTEM-CH62									00-03							
026C	SOUND SYSTEM-CH65									00-03							
026D	SOUND SYSTEM-CH64									00-03							
026E	SOUND SYSTEM-CH67									00-03							
026F	SOUND SYSTEM-CH66									00-03							
0270	SOUND SYSTEM-CH69									00-03							
0271	SOUND SYSTEM-CH68									00-03							
0272	SOUND SYSTEM-CH71									00-03							
0273	SOUND SYSTEM-CH70									00-03							
0274	SOUND SYSTEM-CH73									00-03							
0275	SOUND SYSTEM-CH72									00-03							
0276	SOUND SYSTEM-CH75									00-03							
0277	SOUND SYSTEM-CH74									00-03							
0278	SOUND SYSTEM-CH77									00-03							
0279	SOUND SYSTEM-CH76									00-03							
027A	SOUND SYSTEM-CH79									00-03							
027B	SOUND SYSTEM-CH78									00-03							
027C	SOUND SYSTEM-CH81									00-03							
027D	SOUND SYSTEM-CH80									00-03							
027E	SOUND SYSTEM-CH83									00-03							
027F	SOUND SYSTEM-CH82									00-03							

MODEL
IXC324WJZZQ
LETTER NO.

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 11

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0280	SOUND SYSTEM-CH85									00-03							0 = M 1 = B/G 2 = I 3 = D/K (Caution: Please do not set to other value) MICON DEFAULT is based on the setting "FACTORY SHIPOUT SOUND SYSTEM"(Please refer to address 0x6FE)
0281	SOUND SYSTEM-CH84									00-03							
0282	SOUND SYSTEM-CH87									00-03							
0283	SOUND SYSTEM-CH86									00-03							
0284	SOUND SYSTEM-CH89									00-03							
0285	SOUND SYSTEM-CH88									00-03							
0286	SOUND SYSTEM-CH91									00-03							
0287	SOUND SYSTEM-CH90									00-03							
0288	SOUND SYSTEM-CH93									00-03							
0289	SOUND SYSTEM-CH92									00-03							
028A	SOUND SYSTEM-CH95									00-03							
028B	SOUND SYSTEM-CH94									00-03							
028C	SOUND SYSTEM-CH97									00-03							
028D	SOUND SYSTEM-CH96									00-03							
028E	SOUND SYSTEM-CH99									00-03							
028F	SOUND SYSTEM-CH98									00-03							
0290	BOOSTER-CH07		BOOSTER-CH06		BOOSTER-CH05		BOOSTER-CH04		00	00-AA							
0291	BOOSTER-CH03		BOOSTER-CH02		BOOSTER-CH01		BOOSTER-CH00		00	00-AA							
0292	BOOSTER-CH15		BOOSTER-CH14		BOOSTER-CH13		BOOSTER-CH12		00	00-AA							
0293	BOOSTER-CH11		BOOSTER-CH10		BOOSTER-CH09		BOOSTER-CH08		00	00-AA							
0294	BOOSTER-CH23		BOOSTER-CH22		BOOSTER-CH21		BOOSTER-CH20		00	00-AA							
0295	BOOSTER-CH19		BOOSTER-CH18		BOOSTER-CH17		BOOSTER-CH16		00	00-AA							
0296	BOOSTER-CH31		BOOSTER-CH30		BOOSTER-CH29		BOOSTER-CH28		00	00-AA							
0297	BOOSTER-CH27		BOOSTER-CH26		BOOSTER-CH25		BOOSTER-CH24		00	00-AA							
0298	BOOSTER-CH39		BOOSTER-CH38		BOOSTER-CH37		BOOSTER-CH36		00	00-AA							
0299	BOOSTER-CH35		BOOSTER-CH34		BOOSTER-CH33		BOOSTER-CH32		00	00-AA							
029A	BOOSTER-CH47		BOOSTER-CH46		BOOSTER-CH45		BOOSTER-CH44		00	00-AA							
029B	BOOSTER-CH43		BOOSTER-CH42		BOOSTER-CH41		BOOSTER-CH40		00	00-AA							
029C	BOOSTER-CH55		BOOSTER-CH54		BOOSTER-CH53		BOOSTER-CH52		00	00-AA							
029D	BOOSTER-CH51		BOOSTER-CH50		BOOSTER-CH49		BOOSTER-CH48		00	00-AA							
029E	BOOSTER-CH63		BOOSTER-CH62		BOOSTER-CH61		BOOSTER-CH60		00	00-AA							
029F	BOOSTER-CH59		BOOSTER-CH58		BOOSTER-CH57		BOOSTER-CH56		00	00-AA							
02A0	BOOSTER-CH71		BOOSTER-CH70		BOOSTER-CH69		BOOSTER-CH68		00	00-AA							
02A1	BOOSTER-CH67		BOOSTER-CH66		BOOSTER-CH65		BOOSTER-CH64		00	00-AA							
02A2	BOOSTER-CH79		BOOSTER-CH78		BOOSTER-CH77		BOOSTER-CH76		00	00-AA							
02A3	BOOSTER-CH75		BOOSTER-CH74		BOOSTER-CH73		BOOSTER-CH72		00	00-AA							
02A4	BOOSTER-CH87		BOOSTER-CH86		BOOSTER-CH85		BOOSTER-CH84		00	00-AA							
02A5	BOOSTER-CH83		BOOSTER-CH82		BOOSTER-CH81		BOOSTER-CH80		00	00-AA							
02A6	BOOSTER-CH95		BOOSTER-CH94		BOOSTER-CH93		BOOSTER-CH92		00	00-AA							
02A7	BOOSTER-CH91		BOOSTER-CH90		BOOSTER-CH89		BOOSTER-CH88		00	00-AA							
02A8	SKIP-CH07	SKIP-CH06	SKIP-CH05	SKIP-CH04	SKIP-CH03	SKIP-CH02	SKIP-CH01	SKIP-CH00	00	00-FF							
02A9	BOOSTER-CH99		BOOSTER-CH98		BOOSTER-CH97		BOOSTER-CH96		00	00-AA							
02AA	SKIP-CH23	SKIP-CH22	SKIP-CH21	SKIP-CH20	SKIP-CH19	SKIP-CH18	SKIP-CH17	SKIP-CH16	00	00-FF							
02AB	SKIP-CH15	SKIP-CH14	SKIP-CH13	SKIP-CH12	SKIP-CH11	SKIP-CH10	SKIP-CH09	SKIP-CH08	00	00-FF							
02AC	SKIP-CH39	SKIP-CH38	SKIP-CH37	SKIP-CH36	SKIP-CH35	SKIP-CH34	SKIP-CH33	SKIP-CH32	00	00-FF							
02AD	SKIP-CH31	SKIP-CH30	SKIP-CH29	SKIP-CH28	SKIP-CH27	SKIP-CH26	SKIP-CH25	SKIP-CH24	00	00-FF							
02AE	SKIP-CH55	SKIP-CH54	SKIP-CH53	SKIP-CH52	SKIP-CH51	SKIP-CH50	SKIP-CH49	SKIP-CH48	00	00-FF							
02AF	SKIP-CH47	SKIP-CH46	SKIP-CH45	SKIP-CH44	SKIP-CH43	SKIP-CH42	SKIP-CH41	SKIP-CH40	00	00-FF							
02B0	SKIP-CH71	SKIP-CH70	SKIP-CH69	SKIP-CH68	SKIP-CH67	SKIP-CH66	SKIP-CH65	SKIP-CH64	00	00-FF							
02B1	SKIP-CH63	SKIP-CH62	SKIP-CH61	SKIP-CH60	SKIP-CH59	SKIP-CH58	SKIP-CH57	SKIP-CH56	00	00-FF							
02B2	SKIP-CH87	SKIP-CH86	SKIP-CH85	SKIP-CH84	SKIP-CH83	SKIP-CH82	SKIP-CH81	SKIP-CH80	00	00-FF							
02B3	SKIP-CH79	SKIP-CH78	SKIP-CH77	SKIP-CH76	SKIP-CH75	SKIP-CH74	SKIP-CH73	SKIP-CH72	00	00-FF							
02B4					SKIP-CH99	SKIP-CH98	SKIP-CH97	SKIP-CH96	00	00-0F							
02B5	SKIP-CH95	SKIP-CH94	SKIP-CH93	SKIP-CH92	SKIP-CH91	SKIP-CH90	SKIP-CH89	SKIP-CH88	00	00-FF							
02B6																	
02B7																	
02B8																	
02B9																	
02BA																	
02BB																	
02BC																	
02BD																	
02BE																	
02BF																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 12

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
02C0																	
02C1																	
02C2	AFC-CH15	AFC-CH14	AFC-CH13	AFC-CH12	AFC-CH11	AFC-CH10	AFC-CH09	AFC-CH08	FF	00-FF							
02C3	AFC-CH07	AFC-CH06	AFC-CH05	AFC-CH04	AFC-CH03	AFC-CH02	AFC-CH01	AFC-CH00	FF	00-FF							
02C4	AFC-CH31	AFC-CH30	AFC-CH29	AFC-CH28	AFC-CH27	AFC-CH26	AFC-CH25	AFC-CH24	FF	00-FF							
02C5	AFC-CH23	AFC-CH22	AFC-CH21	AFC-CH20	AFC-CH19	AFC-CH18	AFC-CH17	AFC-CH16	FF	00-FF							
02C6	AFC-CH47	AFC-CH46	AFC-CH45	AFC-CH44	AFC-CH43	AFC-CH42	AFC-CH41	AFC-CH40	FF	00-FF							
02C7	AFC-CH39	AFC-CH38	AFC-CH37	AFC-CH36	AFC-CH35	AFC-CH34	AFC-CH33	AFC-CH32	FF	00-FF							
02C8	AFC-CH63	AFC-CH62	AFC-CH61	AFC-CH60	AFC-CH59	AFC-CH58	AFC-CH57	AFC-CH56	FF	00-FF							
02C9	AFC-CH55	AFC-CH54	AFC-CH53	AFC-CH52	AFC-CH51	AFC-CH50	AFC-CH49	AFC-CH48	FF	00-FF							
02CA	AFC-CH79	AFC-CH78	AFC-CH77	AFC-CH76	AFC-CH75	AFC-CH74	AFC-CH73	AFC-CH72	FF	00-FF							
02CB	AFC-CH71	AFC-CH70	AFC-CH69	AFC-CH68	AFC-CH67	AFC-CH66	AFC-CH65	AFC-CH64	FF	00-FF							
02CC	AFC-CH95	AFC-CH94	AFC-CH93	AFC-CH92	AFC-CH91	AFC-CH90	AFC-CH89	AFC-CH88	FF	00-FF							
02CD	AFC-CH87	AFC-CH86	AFC-CH85	AFC-CH84	AFC-CH83	AFC-CH82	AFC-CH81	AFC-CH80	FF	00-FF							
02CE																	
02CF					AFC-CH99	AFC-CH98	AFC-CH97	AFC-CH96	0F	00-0F							
02D0																	
02D1																	
02D2																	
02D3																	
02D4																	
02D5																	
02D6																	
02D7																	
02D8																	
02D9																	
02DA																	
02DB																	
02DC																	
02DD																	
02DE																	
02DF																	
02E0																	
02E1																	
02E2																	
02E3																	
02E4																	
02E5																	
02E6																	
02E7																	
02E8																	
02E9																	
02EA																	
02EB																	
02EC																	
02ED																	
02EE																	
02EF																	
02F0																	
02F1																	
02F2																	
02F3																	
02F4																	
02F5																	
02F6																	
02F7																	
02F8																	
02F9																	
02FA																	
02FB																	
02FC																	
02FD																	
02FE																	
02FF																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 13

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0300																	
0301																	
0302																	
0303																	
0304																	
0305																	
0306																	
0307																	
0308																	
0309																	
030A																	
030B																	
030C																	
030D																	
030E																	
030F																	
0310																	
0311																	
0312																	
0313																	
0314																	
0315																	
0316																	
0317																	
0318																	
0319																	
031A																	
031B																	
031C																	
031D																	
031E																	
031F																	
0320																	
0321																	
0322																	
0323																	
0324																	
0325																	
0326																	
0327																	
0328																	
0329																	
032A																	
032B																	
032C																	
032D																	
032E																	
032F																	
0330																	
0331																	
0332																	
0333																	
0334																	
0335																	
0336																	
0337																	
0338																	
0339																	
033A																	
033B																	
033C																	
033D																	
033E																	
033F																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 14

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0340																	
0341																	
0342																	
0343																	
0344																	
0345																	
0346																	
0347																	
0348																	
0349																	
034A																	
034B																	
034C																	
034D																	
034E																	
034F																	
0350																	
0351																	
0352																	
0353																	
0354																	
0355																	
0356																	
0357																	
0358																	
0359																	
035A																	
035B																	
035C																	
035D																	
035E																	
035F																	
0360																	
0361																	
0362																	
0363																	
0364																	
0365																	
0366																	
0367																	
0368																	
0369																	
036A																	
036B																	
036C																	
036D																	
036E																	
036F																	
0370																	
0371																	
0372																	
0373																	
0374																	
0375																	
0376																	
0377																	
0378																	
0379																	
037A																	
037B																	
037C																	
037D																	
037E																	
037F																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 15

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0380																	
0381																	
0382																	
0383																	
0384																	
0385																	
0386																	
0387																	
0388																	
0389																	
038A																	
038B																	
038C																	
038D																	
038E																	
038F																	
0390																	
0391																	
0392																	
0393																	
0394																	
0395																	
0396																	
0397																	
0398																	
0399																	
039A																	
039B																	
039C																	
039D																	
039E																	
039F																	
03A0																	
03A1																	
03A2																	
03A3																	
03A4																	
03A5																	
03A6																	
03A7																	
03A8																	
03A9																	
03AA																	
03AB																	
03AC																	
03AD																	
03AE																	
03AF																	
03B0																	
03B1																	
03B2																	
03B3																	
03B4																	
03B5																	
03B6																	
03B7																	
03B8																	
03B9																	
03BA																	
03BB																	
03BC																	
03BD																	
03BE																	
03BF																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 16

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
03C0																	
03C1																	
03C2																	
03C3																	
03C4																	
03C5																	
03C6																	
03C7																	
03C8																	
03C9																	
03CA																	
03CB																	
03CC																	
03CD																	
03CE																	
03CF																	
03D0																	
03D1																	
03D2																	
03D3																	
03D4																	
03D5																	
03D6																	
03D7																	
03D8																	
03D9																	
03DA																	
03DB																	
03DC																	
03DD																	
03DE																	
03DF																	
03E0																	
03E1																	
03E2																	
03E3																	
03E4																	
03E5																	
03E6																	
03E7																	
03E8																	
03E9																	
03EA																	
03EB																	
03EC																	
03ED																	
03EE																	
03EF																	
03F0																	
03F1																	
03F2																	
03F3																	
03F4																	
03F5																	
03F6																	
03F7																	
03F8																	
03F9																	
03FA																	
03FB																	
03FC																	
03FD																	
03FE																	
03FF																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 17

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0400																	
0401																	
0402																	
0403																	
0404																	
0405																	
0406																	
0407																	
0408																	
0409																	
040A																	
040B																	
040C																	
040D																	
040E																	
040F																	
0410																	
0411																	
0412																	
0413																	
0414																	
0415																	
0416																	
0417																	
0418																	
0419																	
041A																	
041B																	
041C																	
041D																	
041E																	
041F																	
0420																	
0421																	
0422																	
0423																	
0424																	
0425																	
0426																	
0427																	
0428																	
0429																	
042A																	
042B																	
042C																	
042D																	
042E																	
042F																	
0430																	
0431																	
0432																	
0433																	
0434																	
0435																	
0436																	
0437																	
0438																	
0439																	
043A																	
043B																	
043C																	
043D																	
043E																	
043F																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 18

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
0440																	
0441																	
0442																	
0443																	
0444																	
0445																	
0446																	
0447																	
0448																	
0449																	
044A																	
044B																	
044C																	
044D																	
044E																	
044F																	
0450																	
0451																	
0452																	
0453																	
0454																	
0455																	
0456																	
0457																	
0458																	
0459																	
045A																	
045B																	
045C																	
045D																	
045E																	
045F																	
0460																	
0461																	
0462																	
0463																	
0464																	
0465																	
0466																	
0467																	
0468																	
0469																	
046A																	
046B																	
046C																	
046D																	
046E																	
046F																	
0470																	
0471																	
0472																	
0473																	
0474																	
0475																	
0476																	
0477																	
0478																	
0479																	
047A																	
047B																	
047C																	
047D																	
047E																	
047F																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 19

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0480																	
0481																	
0482																	
0483																	
0484																	
0485																	
0486																	
0487																	
0488																	
0489																	
048A																	
048B																	
048C																	
048D																	
048E																	
048F																	
0490																	
0491																	
0492																	
0493																	
0494																	
0495																	
0496																	
0497																	
0498																	
0499																	
049A																	
049B																	
049C																	
049D																	
049E																	
049F																	
04A0																	
04A1																	
04A2																	
04A3																	
04A4																	
04A5																	
04A6																	
04A7																	
04A8																	
04A9																	
04AA																	
04AB																	
04AC																	
04AD																	
04AE																	
04AF																	
04B0																	
04B1																	
04B2																	
04B3																	
04B4																	
04B5																	
04B6																	
04B7																	
04B8																	
04B9																	
04BA																	
04BB																	
04BC																	
04BD																	
04BE																	
04BF																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 20

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
04C0																	
04C1																	
04C2																	
04C3																	
04C4																	
04C5																	
04C6																	
04C7																	
04C8																	
04C9																	
04CA																	
04CB																	
04CC																	
04CD																	
04CE																	
04CF																	
04D0																	
04D1																	
04D2																	
04D3																	
04D4																	
04D5																	
04D6																	
04D7																	
04D8																	
04D9																	
04DA																	
04DB																	
04DC																	
04DD																	
04DE																	
04DF																	
04E0																	
04E1																	
04E2																	
04E3																	
04E4																	
04E5																	
04E6																	
04E7																	
04E8																	
04E9																	
04EA																	
04EB																	
04EC																	
04ED																	
04EE																	
04EF																	
04F0																	
04F1																	
04F2																	
04F3																	
04F4																	
04F5																	
04F6																	
04F7																	
04F8																	
04F9																	
04FA																	
04FB																	
04FC																	
04FD																	
04FE																	
04FF																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 21

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0500																	
0501																	
0502																	
0503																	
0504																	
0505																	
0506																	
0507																	
0508																	
0509																	
050A																	
050B																	
050C																	
050D																	
050E																	
050F																	
0510																	
0511																	
0512																	
0513																	
0514																	
0515																	
0516																	
0517																	
0518																	
0519																	
051A																	
051B																	
051C																	
051D																	
051E																	
051F																	
0520																	
0521																	
0522																	
0523																	
0524																	
0525																	
0526																	
0527																	
0528																	
0529																	
052A																	
052B																	
052C																	
052D																	
052E																	
052F																	
0530																	
0531																	
0532																	
0533																	
0534																	
0535																	
0536																	
0537																	
0538																	
0539																	
053A																	
053B																	
053C																	
053D																	
053E																	
053F																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 22

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0540																	
0541																	
0542																	
0543																	
0544																	
0545																	
0546																	
0547																	
0548																	
0549																	
054A																	
054B																	
054C																	
054D																	
054E																	
054F																	
0550																	
0551																	
0552																	
0553																	
0554																	
0555																	
0556																	
0557																	
0558																	
0559																	
055A																	
055B																	
055C																	
055D																	
055E																	
055F																	
0560																	
0561																	
0562																	
0563																	
0564																	
0565																	
0566																	
0567																	
0568																	
0569																	
056A																	
056B																	
056C																	
056D																	
056E																	
056F																	
0570																	
0571																	
0572																	
0573																	
0574																	
0575																	
0576																	
0577																	
0578																	
0579																	
057A																	
057B																	
057C																	
057D																	
057E																	
057F																	
MODEL																	
IXC324 WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 23

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT(hex)	RANGE(hex)	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0580																	
0581																	
0582																	
0583																	
0584																	
0585																	
0586																	
0587																	
0588																	
0589																	
058A																	
058B																	
058C																	
058D																	
058E																	
058F																	
0590																	
0591																	
0592																	
0593																	
0594																	
0595																	
0596																	
0597																	
0598																	
0599																	
059A																	
059B																	
059C																	
059D																	
059E																	
059F																	
05A0																	
05A1																	
05A2																	
05A3																	
05A4																	
05A5																	
05A6																	
05A7																	
05A8																	
05A9																	
05AA																	
05AB																	
05AC																	
05AD																	
05AE																	
05AF																	
05B0																	
05B1																	
05B2																	
05B3																	
05B4																	
05B5																	
05B6																	
05B7																	
05B8																	
05B9																	
05BA																	
05BB																	
05BC																	
05BD																	
05BE																	
05BF																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 24

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS (HEX)	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
05C0																	
05C1																	
05C2																	
05C3																	
05C4																	
05C5																	
05C6																	
05C7																	
05C8																	
05C9																	
05CA																	
05CB																	
05CC																	
05CD																	
05CE																	
05CF																	
05D0																	
05D1																	
05D2																	
05D3																	
05D4																	
05D5																	
05D6																	
05D7																	
05D8																	
05D9																	
05DA																	
05DB																	
05DC																	
05DD																	
05DE																	
05DF																	
05E0																	
05E1																	
05E2																	
05E3																	
05E4																	
05E5																	
05E6																	
05E7																	
05E8																	
05E9																	
05EA																	
05EB																	
05EC																	
05ED																	
05EE																	
05EF																	
05F0																	
05F1																	
05F2																	
05F3																	
05F4																	
05F5																	
05F6																	
05F7																	
05F8																	
05F9																	
05FA																	
05FB																	
05FC																	
05FD																	
05FE																	
05FF																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 25

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS (HEX)	DATA D7	D6	D5	D4	D3	D2	D1	D0	MICON DEFAULT[hex]	EEPROM RANGE[hex]	EEPROM WRITE(CPU)	CHASSIS CHECK DATA	CHASSIS CHECK TYPE	CTV FINAL CHECK DATA	CTV FINAL CHECK TYPE	LAST INITIAL SETTING DATA	REMARK
0600	MCL TV-FREQUENCY-CH00																
0601																	
0602	MCL TV-FREQUENCY-CH01																
0603																	
0604	MCL TV-FREQUENCY-CH02																
0605																	
0606	MCL TV-FREQUENCY-CH03																
0607																	
0608	MCL TV-FREQUENCY-CH04																
0609																	
060A	MCL TV-FREQUENCY-CH05																
060B																	
060C	MCL TV-FREQUENCY-CH06																
060D																	
060E	MCL TV-FREQUENCY-CH07																
060F																	
0610	MCL TV-FREQUENCY-CH08																
0611																	
0612	MCL TV-FREQUENCY-CH09																
0613																	
0614	MCL TV-FREQUENCY-CH10																
0615																	
0616	MCL TV-FREQUENCY-CH11																
0617																	
0618	MCL TV-FREQUENCY-CH12																
0619																	
061A	MCL TV-FREQUENCY-CH13																
061B																	
061C	MCL TV-FREQUENCY-CH14																
061D																	
061E	MCL TV-FREQUENCY-CH15																
061F																	
0620	MCL TV-FREQUENCY-CH16																
0621																	
0622	MCL TV-FREQUENCY-CH17																
0623																	
0624	MCL TV-FREQUENCY-CH18																
0625																	
0626	MCL TV-FREQUENCY-CH19																
0627																	
0628	MCL TV-FREQUENCY-CH20																
0629																	
062A	MCL TV-FREQUENCY-CH21																
062B																	
062C	MCL TV-FREQUENCY-CH22																
062D																	
062E	MCL TV-FREQUENCY-CH23																
062F																	
0630	MCL TV-FREQUENCY-CH24																
0631																	
0632	MCL TV-FREQUENCY-CH25																
0633																	
0634	MCL TV-FREQUENCY-CH26																
0635																	
0636	MCL TV-FREQUENCY-CH27																
0637																	
0638	MCL TV-FREQUENCY-CH28																
0639																	
063A	MCL TV-FREQUENCY-CH29																
063B																	
063C	MCL TV-FREQUENCY-CH30																
063D																	
063E	MCL TV-FREQUENCY-CH31																
063F																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 26

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0640	MCL TV-FREQUENCY-CH32																
0641																	
0642	MCL TV-FREQUENCY-CH33																
0643																	
0644	MCL TV-FREQUENCY-CH34																
0645																	
0646	MCL TV-FREQUENCY-CH35																
0647																	
0648	MCL TV-FREQUENCY-CH36																
0649																	
064A	MCL TV-FREQUENCY-CH37																
064B																	
064C	MCL TV-FREQUENCY-CH38																
064D																	
064E	MCL TV-FREQUENCY-CH39																
064F																	
0650	MCL TV-FREQUENCY-CH40																
0651																	
0652	MCL TV-FREQUENCY-CH41																
0653																	
0654	MCL TV-FREQUENCY-CH42																
0655																	
0656	MCL TV-FREQUENCY-CH43																
0657																	
0658	MCL TV-FREQUENCY-CH44																
0659																	
065A	MCL TV-FREQUENCY-CH45																
065B																	
065C	MCL TV-FREQUENCY-CH46																
065D																	
065E	MCL TV-FREQUENCY-CH47																
065F																	
0660	MCL TV-FREQUENCY-CH48																
0661																	
0662	MCL TV-FREQUENCY-CH49																
0663																	
0664	MCL TV-FREQUENCY-CH50																
0665																	
0666	MCL TV-FREQUENCY-CH51																
0667																	
0668	MCL TV-FREQUENCY-CH52																
0669																	
066A	MCL TV-FREQUENCY-CH53																
066B																	
066C	MCL TV-FREQUENCY-CH54																
066D																	
066E	MCL TV-FREQUENCY-CH55																
066F																	
0670	MCL TV-FREQUENCY-CH56																
0671																	
0672	MCL TV-FREQUENCY-CH57																
0673																	
0674	MCL TV-FREQUENCY-CH58																
0675																	
0676	MCL TV-FREQUENCY-CH59																
0677																	
0678	MCL TV-FREQUENCY-CH60																
0679																	
067A	MCL TV-FREQUENCY-CH61																
067B																	
067C	MCL TV-FREQUENCY-CH62																
067D																	
067E	MCL TV-FREQUENCY-CH63																
067F																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 27

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS (HEX)	DATA D7	D6	D5	D4	D3	D2	D1	D0	MICON DEFAULT[hex]	EEPROM RANGE[hex]	EEPROM WRITE(CPU)	CHASSIS CHECK DATA	CHASSIS CHECK TYPE	CTV FINAL CHECK DATA	CTV FINAL CHECK TYPE	LAST INITIAL SETTING DATA	REMARK
0680	MCL TV-FREQUENCY-CH64																
0681																	
0682	MCL TV-FREQUENCY-CH65																
0683																	
0684	MCL TV-FREQUENCY-CH66																
0685																	
0686	MCL TV-FREQUENCY-CH67																
0687																	
0688	MCL TV-FREQUENCY-CH68																
0689																	
068A	MCL TV-FREQUENCY-CH69																
068B																	
068C	MCL TV-FREQUENCY-CH70																
068D																	
068E																	
068F																	
0690	MCL Sound System-CH00																
0691	MCL Sound System-CH01																
0692	MCL Sound System-CH02																
0693	MCL Sound System-CH03																
0694	MCL Sound System-CH04																
0695	MCL Sound System-CH05																
0696	MCL Sound System-CH06																
0697	MCL Sound System-CH07																
0698	MCL Sound System-CH08																
0699	MCL Sound System-CH09																
069A	MCL Sound System-CH10																
069B	MCL Sound System-CH11																
069C	MCL Sound System-CH12																
069D	MCL Sound System-CH13																
069E	MCL Sound System-CH14																
069F	MCL Sound System-CH15																
06A0	MCL Sound System-CH16																
06A1	MCL Sound System-CH17																
06A2	MCL Sound System-CH18																
06A3	MCL Sound System-CH19																
06A4	MCL Sound System-CH20																
06A5	MCL Sound System-CH21																
06A6	MCL Sound System-CH22																
06A7	MCL Sound System-CH23																
06A8	MCL Sound System-CH24																
06A9	MCL Sound System-CH25																
06AA	MCL Sound System-CH26																
06AB	MCL Sound System-CH27																
06AC	MCL Sound System-CH28																
06AD	MCL Sound System-CH29																
06AE	MCL Sound System-CH30																
06AF	MCL Sound System-CH31																
06B0	MCL Sound System-CH32																
06B1	MCL Sound System-CH33																
06B2	MCL Sound System-CH34																
06B3	MCL Sound System-CH35																
06B4	MCL Sound System-CH36																
06B5	MCL Sound System-CH37																
06B6	MCL Sound System-CH38																
06B7	MCL Sound System-CH39																
06B8	MCL Sound System-CH40																
06B9	MCL Sound System-CH41																
06BA	MCL Sound System-CH42																
06BB	MCL Sound System-CH43																
06BC	MCL Sound System-CH44																
06BD	MCL Sound System-CH45																
06BE	MCL Sound System-CH46																
06BF	MCL Sound System-CH47																
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 28

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS (HEX)	DATA D7	D6	D5	D4	D3	D2	D1	D0	MICON DEFAULT [hex]	EEPROM RANGE [hex]	EEPROM WRITE(CPU)	CHASSIS CHECK DATA	CHASSIS CHECK TYPE	CTV FINAL CHECK DATA	CTV FINAL CHECK TYPE	LAST INITIAL SETTING DATA	REMARK
06C0	MCL Sound System-CH48																
06C1	MCL Sound System-CH49																
06C2	MCL Sound System-CH50																
06C3	MCL Sound System-CH51																
06C4	MCL Sound System-CH52																
06C5	MCL Sound System-CH53																
06C6	MCL Sound System-CH54																
06C7	MCL Sound System-CH55																
06C8	MCL Sound System-CH56																
06C9	MCL Sound System-CH57																
06CA	MCL Sound System-CH58																
06CB	MCL Sound System-CH59																
06CC	MCL Sound System-CH60																
06CD	MCL Sound System-CH61																
06CE	MCL Sound System-CH62																
06CF	MCL Sound System-CH63																
06D0	MCL Sound System-CH64																
06D1	MCL Sound System-CH65																
06D2	MCL Sound System-CH66																
06D3	MCL Sound System-CH67																
06D4	MCL Sound System-CH68																
06D5	MCL Sound System-CH69																
06D6	MCL Sound System-CH70																
06D7																	
06D8																	
06D9																	
06DA																	
06DB																	
06DC																	
06DD																	
06DE																	
06DF																	
06E0																	
06E1																	
06E2																	
06E3																	
06E4																	
06E5																	
06E6																	
06E7																	
06E8																	
06E9																	
06EA																	
06EB																	
06EC																	
06ED																	
06EE																	
06EF																	
06F0																	
06F1																	
06F2																	
06F3																	
06F4																	
06F5																	
06F6																	
06F7																	
06F8																	
06F9																	
06FA																	
06FB																	
06FC																	
06FD																	
06FE	FACTORY SHIPOUT SOUND SYSTEM																This data will be copied to SOUND SYTEM-CH00~99(Sub address: 0x22C~0x28F) when the following condition is implemented: 1) Model-Set 2) EEPROM Initialization
06FF	FACTORY SHIPOUT LANGUAGE																This data will be copied to LANGUAGE(Sub address: 0xE0, Bit D3~D0) when the following condition is implemented: 1) Model-Set
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 29

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0700	FACTORY SHIPOUT TV-FREQUENCY-CH00																
0701																	
0702	FACTORY SHIPOUT TV-FREQUENCY-CH01																
0703																	
0704	FACTORY SHIPOUT TV-FREQUENCY-CH02																
0705																	
0706	FACTORY SHIPOUT TV-FREQUENCY-CH03																
0707																	
0708	FACTORY SHIPOUT TV-FREQUENCY-CH04																
0709																	
070A	FACTORY SHIPOUT TV-FREQUENCY-CH05																
070B																	
070C	FACTORY SHIPOUT TV-FREQUENCY-CH06																
070D																	
070E	FACTORY SHIPOUT TV-FREQUENCY-CH07																
070F																	
0710	FACTORY SHIPOUT TV-FREQUENCY-CH08																
0711																	
0712	FACTORY SHIPOUT TV-FREQUENCY-CH09																
0713																	
0714	FACTORY SHIPOUT TV-FREQUENCY-CH10																
0715																	
0716	FACTORY SHIPOUT TV-FREQUENCY-CH11																
0717																	
0718	FACTORY SHIPOUT TV-FREQUENCY-CH12																
0719																	
071A	FACTORY SHIPOUT TV-FREQUENCY-CH13																
071B																	
071C	FACTORY SHIPOUT TV-FREQUENCY-CH14																
071D																	
071E	FACTORY SHIPOUT TV-FREQUENCY-CH15																
071F																	
0720	FACTORY SHIPOUT TV-FREQUENCY-CH16																
0721																	
0722	FACTORY SHIPOUT TV-FREQUENCY-CH17																
0723																	
0724	FACTORY SHIPOUT TV-FREQUENCY-CH18																
0725																	
0726	FACTORY SHIPOUT TV-FREQUENCY-CH19																
0727																	
0728	FACTORY SHIPOUT TV-FREQUENCY-CH20																
0729																	
072A	FACTORY SHIPOUT TV-FREQUENCY-CH21																
072B																	
072C	FACTORY SHIPOUT TV-FREQUENCY-CH22																
072D																	
072E	FACTORY SHIPOUT TV-FREQUENCY-CH23																
072F																	
0730	FACTORY SHIPOUT TV-FREQUENCY-CH24																
0731																	
0732	FACTORY SHIPOUT TV-FREQUENCY-CH25																
0733																	
0734	FACTORY SHIPOUT TV-FREQUENCY-CH26																
0735																	
0736	FACTORY SHIPOUT TV-FREQUENCY-CH27																
0737																	
0738	FACTORY SHIPOUT TV-FREQUENCY-CH28																
0739																	
073A	FACTORY SHIPOUT TV-FREQUENCY-CH29																
073B																	
073C	FACTORY SHIPOUT TV-FREQUENCY-CH30																
073D																	
073E	FACTORY SHIPOUT TV-FREQUENCY-CH31																
073F																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 30

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0740	FACTORY SHIPOUT TV-FREQUENCY-CH32																
0741																	
0742	FACTORY SHIPOUT TV-FREQUENCY-CH33																
0743																	
0744	FACTORY SHIPOUT TV-FREQUENCY-CH34																
0745																	
0746	FACTORY SHIPOUT TV-FREQUENCY-CH35																
0747																	
0748	FACTORY SHIPOUT TV-FREQUENCY-CH36																
0749																	
074A	FACTORY SHIPOUT TV-FREQUENCY-CH37																
074B																	
074C	FACTORY SHIPOUT TV-FREQUENCY-CH38																
074D																	
074E	FACTORY SHIPOUT TV-FREQUENCY-CH39																
074F																	
0750	FACTORY SHIPOUT TV-FREQUENCY-CH40																
0751																	
0752	FACTORY SHIPOUT TV-FREQUENCY-CH41																
0753																	
0754	FACTORY SHIPOUT TV-FREQUENCY-CH42																
0755																	
0756	FACTORY SHIPOUT TV-FREQUENCY-CH43																
0757																	
0758	FACTORY SHIPOUT TV-FREQUENCY-CH44																
0759																	
075A	FACTORY SHIPOUT TV-FREQUENCY-CH45																
075B																	
075C	FACTORY SHIPOUT TV-FREQUENCY-CH46																
075D																	
075E	FACTORY SHIPOUT TV-FREQUENCY-CH47																
075F																	
0760	FACTORY SHIPOUT TV-FREQUENCY-CH48																
0761																	
0762	FACTORY SHIPOUT TV-FREQUENCY-CH49																
0763																	
0764	FACTORY SHIPOUT TV-FREQUENCY-CH50																
0765																	
0766	FACTORY SHIPOUT TV-FREQUENCY-CH51																
0767																	
0768	FACTORY SHIPOUT TV-FREQUENCY-CH52																
0769																	
076A	FACTORY SHIPOUT TV-FREQUENCY-CH53																
076B																	
076C	FACTORY SHIPOUT TV-FREQUENCY-CH54																
076D																	
076E	FACTORY SHIPOUT TV-FREQUENCY-CH55																
076F																	
0770	FACTORY SHIPOUT TV-FREQUENCY-CH56																
0771																	
0772	FACTORY SHIPOUT TV-FREQUENCY-CH57																
0773																	
0774	FACTORY SHIPOUT TV-FREQUENCY-CH58																
0775																	
0776	FACTORY SHIPOUT TV-FREQUENCY-CH59																
0777																	
0778	FACTORY SHIPOUT TV-FREQUENCY-CH60																
0779																	
077A	FACTORY SHIPOUT TV-FREQUENCY-CH61																
077B																	
077C	FACTORY SHIPOUT TV-FREQUENCY-CH62																
077D																	
077E	FACTORY SHIPOUT TV-FREQUENCY-CH63																
077F																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

EEPROM CHECK DATA LIST 31

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
0780	FACTORY SHIPOUT TV-FREQUENCY-CH64																
0781																	
0782	FACTORY SHIPOUT TV-FREQUENCY-CH65																
0783																	
0784	FACTORY SHIPOUT TV-FREQUENCY-CH66																
0785																	
0786	FACTORY SHIPOUT TV-FREQUENCY-CH67																
0787																	
0788	FACTORY SHIPOUT TV-FREQUENCY-CH68																
0789																	
078A	FACTORY SHIPOUT TV-FREQUENCY-CH69																
078B																	
078C	FACTORY SHIPOUT TV-FREQUENCY-CH70																
078D																	
078E	FACTORY SHIPOUT TV-FREQUENCY-CH71																
078F																	
0790	FACTORY SHIPOUT TV-FREQUENCY-CH72																
0791																	
0792	FACTORY SHIPOUT TV-FREQUENCY-CH73																
0793																	
0794	FACTORY SHIPOUT TV-FREQUENCY-CH74																
0795																	
0796	FACTORY SHIPOUT TV-FREQUENCY-CH75																
0797																	
0798	FACTORY SHIPOUT TV-FREQUENCY-CH76																
0799																	
079A	FACTORY SHIPOUT TV-FREQUENCY-CH77																
079B																	
079C	FACTORY SHIPOUT TV-FREQUENCY-CH78																
079D																	
079E	FACTORY SHIPOUT TV-FREQUENCY-CH79																
079F																	
07A0	FACTORY SHIPOUT TV-FREQUENCY-CH80																
07A1																	
07A2	FACTORY SHIPOUT TV-FREQUENCY-CH81																
07A3																	
07A4	FACTORY SHIPOUT TV-FREQUENCY-CH82																
07A5																	
07A6	FACTORY SHIPOUT TV-FREQUENCY-CH83																
07A7																	
07A8	FACTORY SHIPOUT TV-FREQUENCY-CH84																
07A9																	
07AA	FACTORY SHIPOUT TV-FREQUENCY-CH85																
07AB																	
07AC	FACTORY SHIPOUT TV-FREQUENCY-CH86																
07AD																	
07AE	FACTORY SHIPOUT TV-FREQUENCY-CH87																
07AF																	
07B0	FACTORY SHIPOUT TV-FREQUENCY-CH88																
07B1																	
07B2	FACTORY SHIPOUT TV-FREQUENCY-CH89																
07B3																	
07B4	FACTORY SHIPOUT TV-FREQUENCY-CH90																
07B5																	
07B6	FACTORY SHIPOUT TV-FREQUENCY-CH91																
07B7																	
07B8	FACTORY SHIPOUT TV-FREQUENCY-CH92																
07B9																	
07BA	FACTORY SHIPOUT TV-FREQUENCY-CH93																
07BB																	
07BC	FACTORY SHIPOUT TV-FREQUENCY-CH94																
07BD																	
07BE	FACTORY SHIPOUT TV-FREQUENCY-CH95																
07BF																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

MEMORY MAP (Continued)

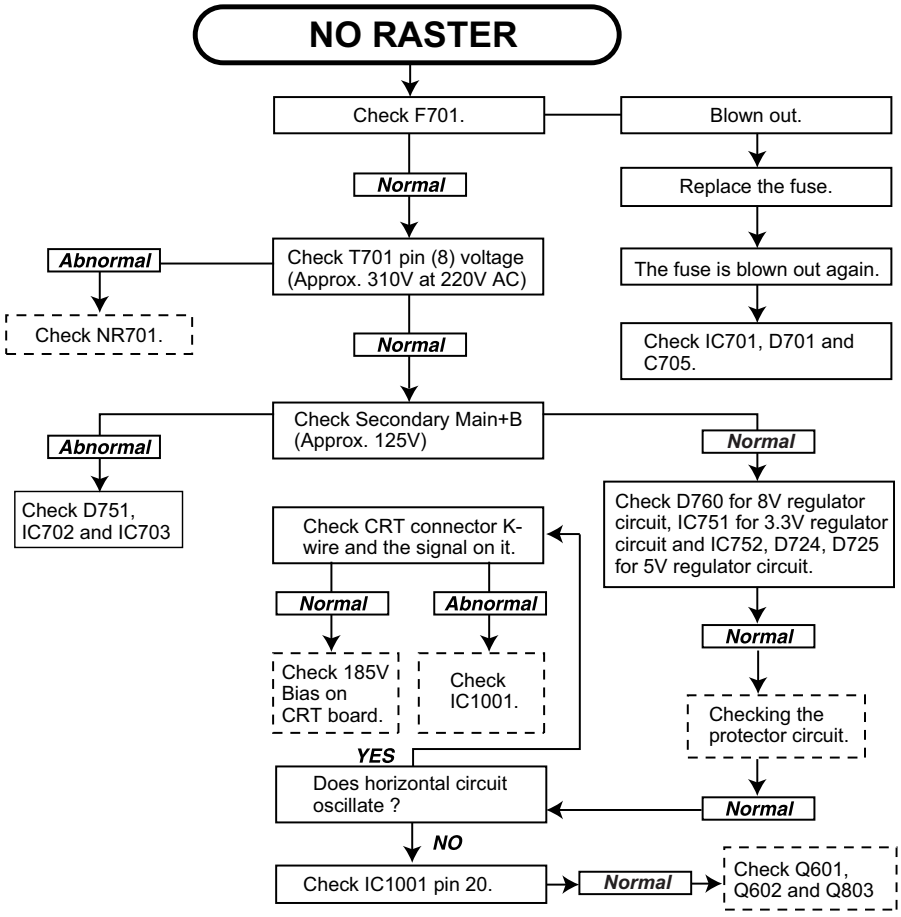
EEPROM CHECK DATA LIST 32

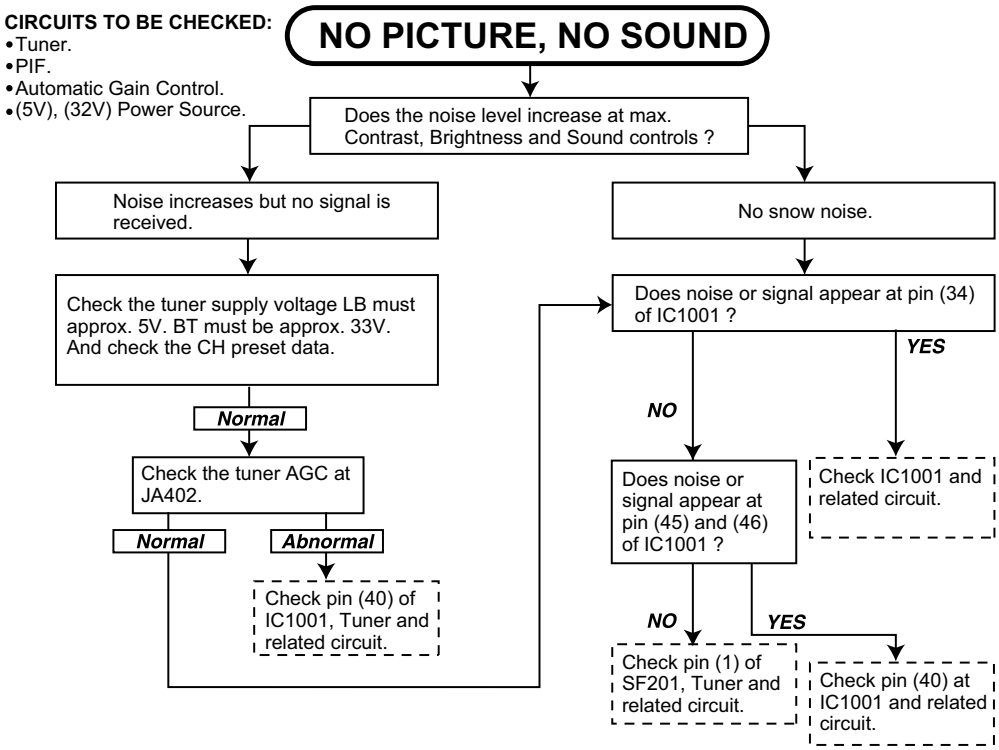
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT[hex]	RANGE[hex]	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
07C0	FACTORY SHIPOUT TV-FREQUENCY-CH96																
07C1																	
07C2	FACTORY SHIPOUT TV-FREQUENCY-CH97																
07C3																	
07C4	FACTORY SHIPOUT TV-FREQUENCY-CH98																
07C5																	
07C6	FACTORY SHIPOUT TV-FREQUENCY-CH99																
07C7																	
07C8																	
07C9																	
07CA																	
07CB																	
07CC																	
07CD																	
07CE																	
07CF																	
07D0																	
07D1																	
07D2																	
07D3																	
07D4																	
07D5																	
07D6																	
07D7																	
07D8																	
07D9																	
07DA																	
07DB																	
07DC																	
07DD																	
07DE																	
07DF																	
07E0																	
07E1																	
07E2																	
07E3																	
07E4																	
07E5																	
07E6																	
07E7																	
07E8																	
07E9																	
07EA																	
07EB																	
07EC																	
07ED																	
07EE																	
07EF																	
07F0																	
07F1																	
07F2																	
07F3																	
07F4																	
07F5																	
07F6																	
07F7																	
07F8																	
07F9																	
07FA																	
07FB																	
07FC																	
07FD																	
07FE																	
07FF																	
MODEL																	
IXC324WJZZQ																	
LETTER NO.																	

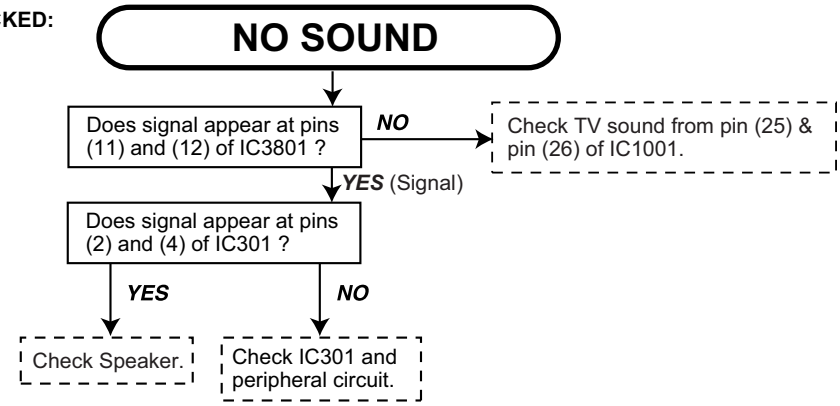
CHAPTER 5. TROUBLE SHOOTING FLOWCHART

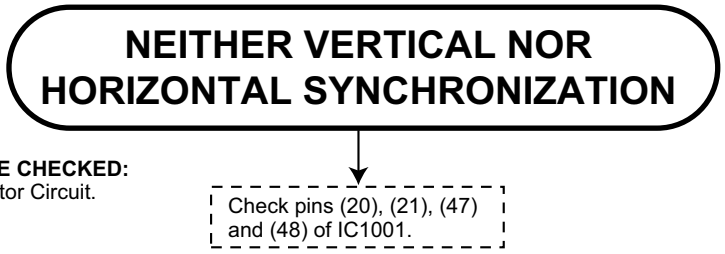
[1] TROUBLE SHOOTING FLOWCHART




CIRCUITS TO BE CHECKED:
•Tuner.
•PIF.
•Automatic Gain Control.
•(5V), (32V) Power Source.
NO PICTURE, NO SOUND
Does the noise level increase at max. Contrast, Brightness and Sound controls ?
Noise increases but no signal is received.
No snow noise.
Check the tuner supply voltage LB must approx. 5V. BT must be approx. 33V. And check the CH preset data.
Does noise or signal appear at pin (34) of IC1001 ?
YES
NO
Normal
Check the tuner AGC at JA402.
Does noise or signal appear at pin (45) and (46) of IC1001 ?
Check IC1001 and related circuit.
Normal
Abnormal
Check pin (40) of IC1001, Tuner and related circuit.
NO
YES
Check pin (1) of SF201, Tuner and related circuit.
Check pin (40) at IC1001 and related circuit.

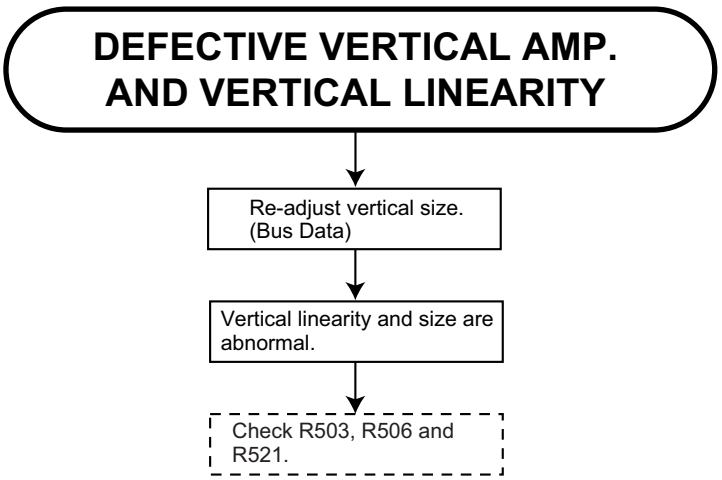
CIRCUITS TO BE CHECKED:
- Sound Detector Circuit.
- Sound Switch and Att. Control.
- Audio Output Circuit.

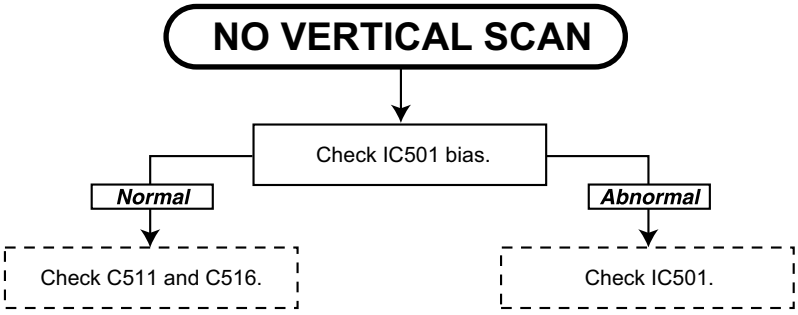

NO SOUND
Does signal appear at pins (11) and (12) of IC3801 ?
NO
Check TV sound from pin (25) & pin (26) of IC1001.
YES (Signal)
Does signal appear at pins (2) and (4) of IC301 ?
YES
NO
Check Speaker.
Check IC301 and peripheral circuit.



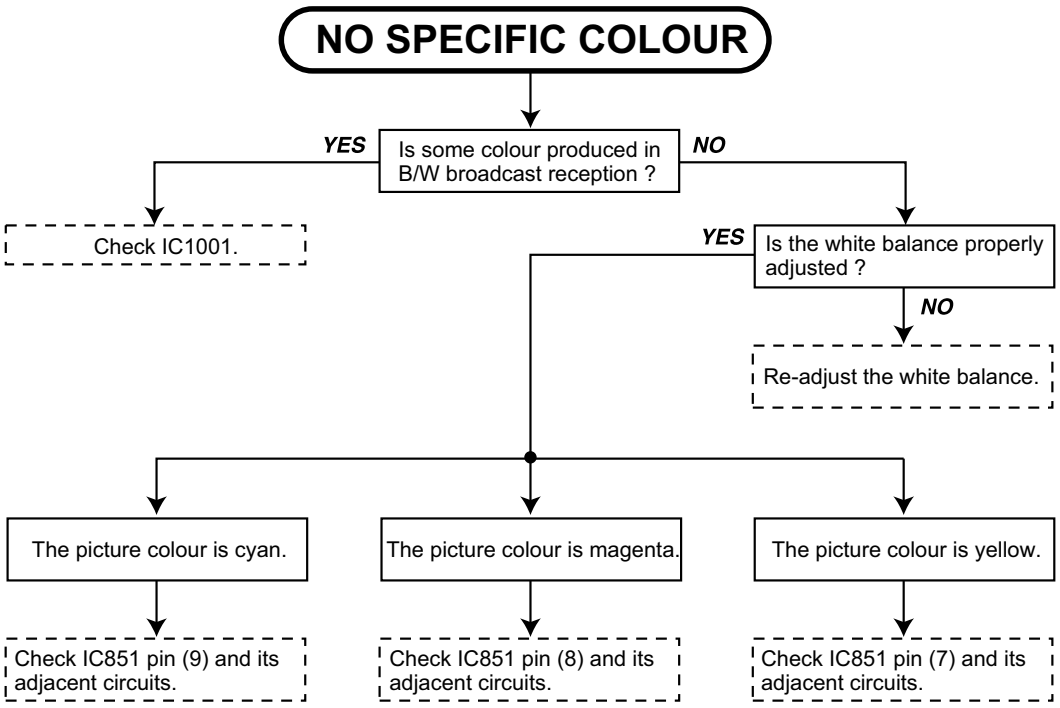
CIRCUIT TO BE CHECKED:
- Sync. Separator Circuit.

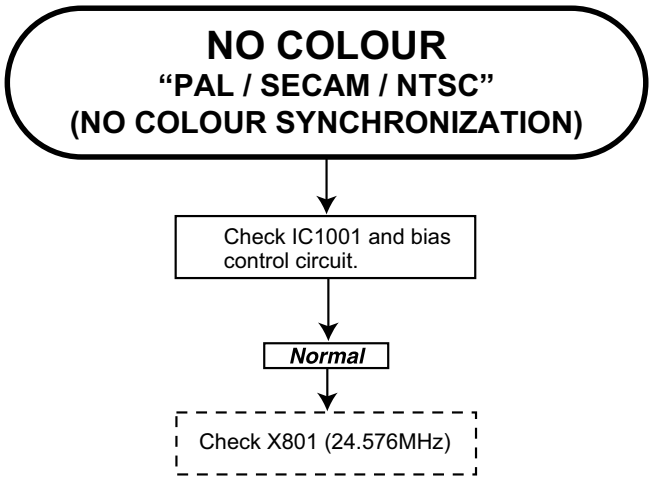
Check pins (20), (21), (47) and (48) of IC1001.


DEFECTIVE VERTICAL AMP. AND VERTICAL LINEARITY
Re-adjust vertical size. (Bus Data)
Vertical linearity and size are abnormal.
Check R503, R506 and R521.



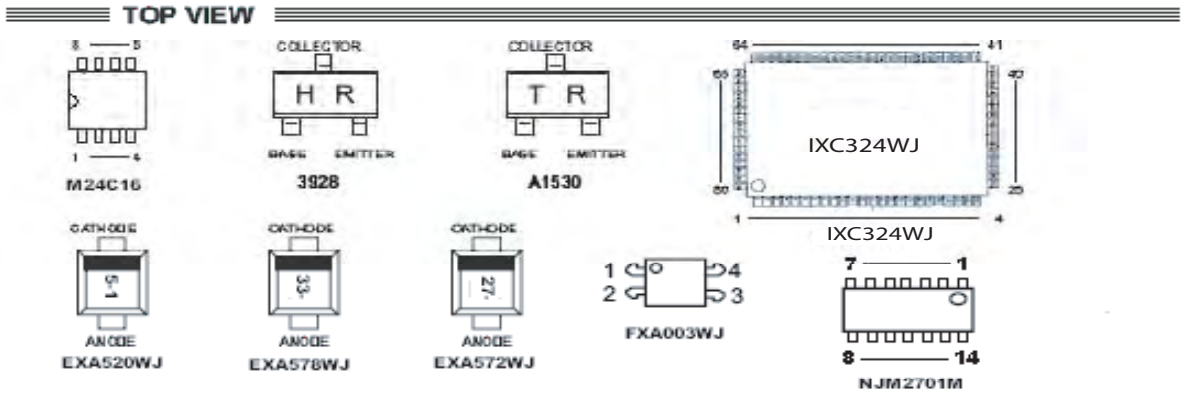
TROUBLE SHOOTING FLOWCHART (Continued)

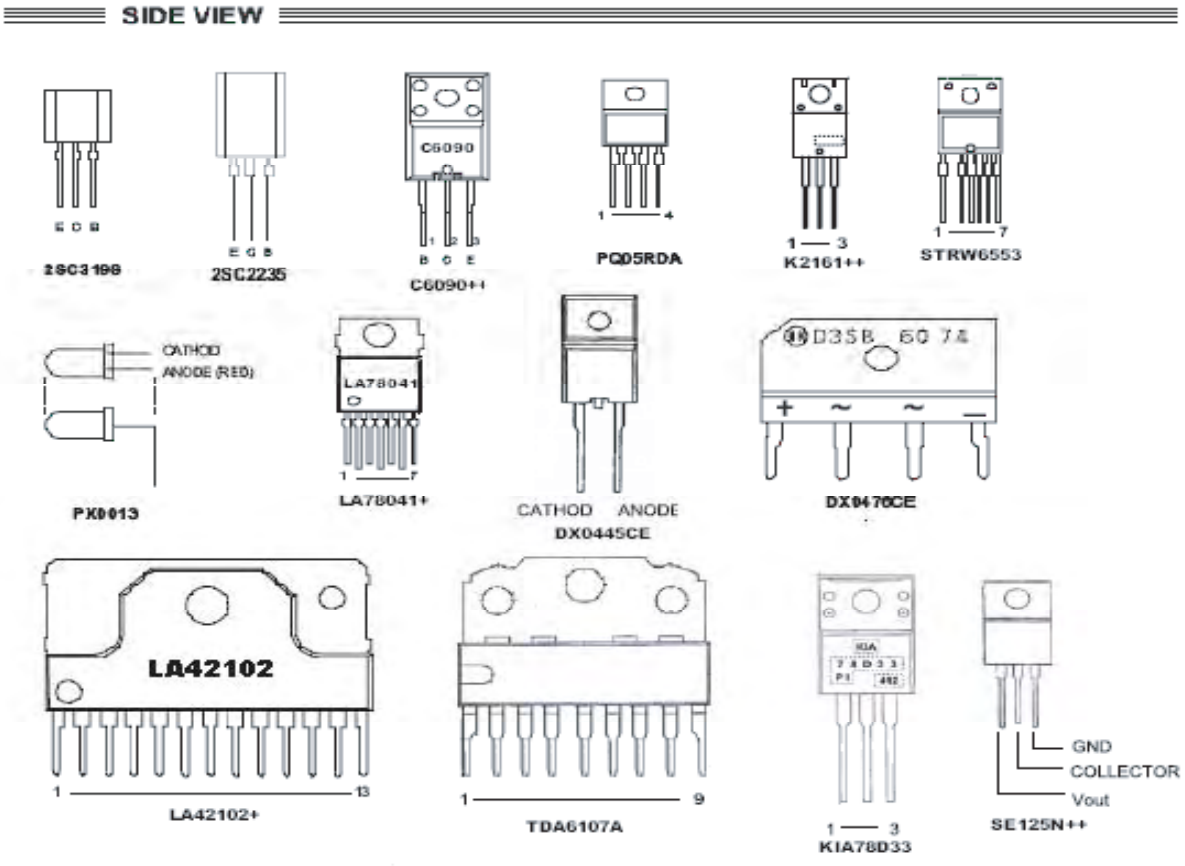

NO SPECIFIC COLOUR
YES
Is some colour produced in B/W broadcast reception ?
NO
Check IC1001.
YES
Is the white balance properly adjusted ?
NO
Re-adjust the white balance.
The picture colour is cyan.
The picture colour is magenta.
The picture colour is yellow.
Check IC851 pin (9) and its adjacent circuits.
Check IC851 pin (8) and its adjacent circuits.
Check IC851 pin (7) and its adjacent circuits.



CHAPTER 6. SOLID STATE DEVICE BASE DIAGRAM

[1] SOLID STATE DEVICE BASE DIAGRAM

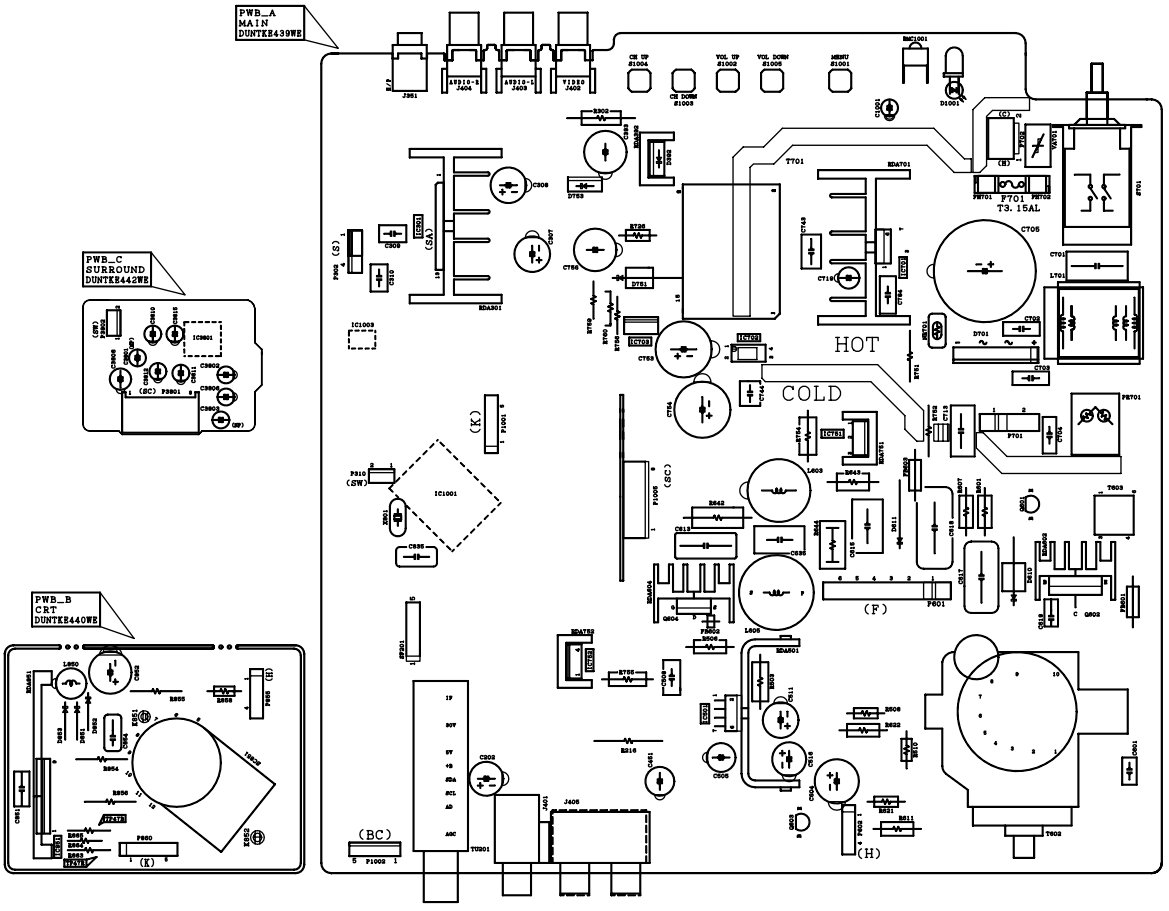




CHAPTER 7. CHASSIS LAYOUT

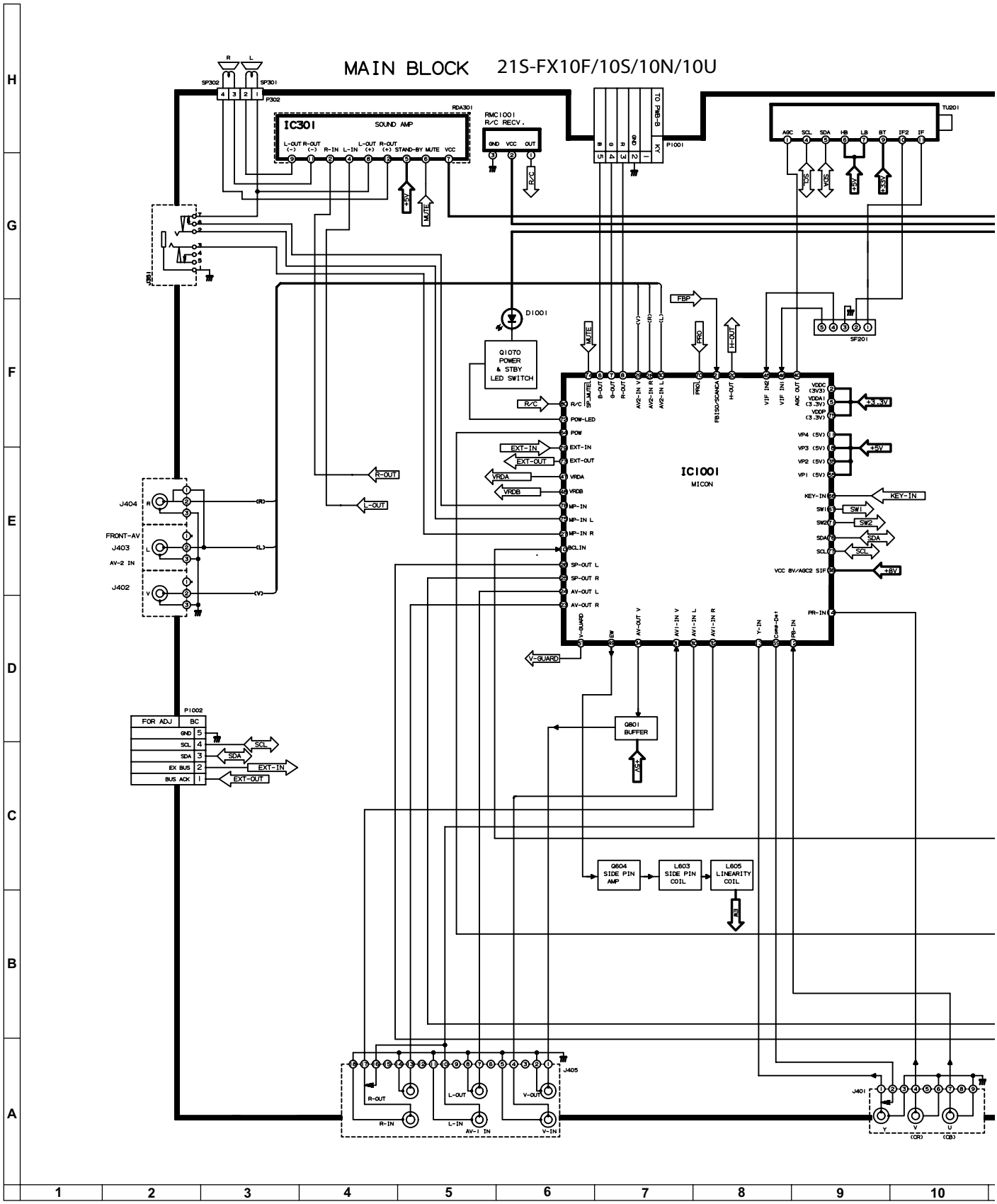
[1] CHASSIS LAYOUT

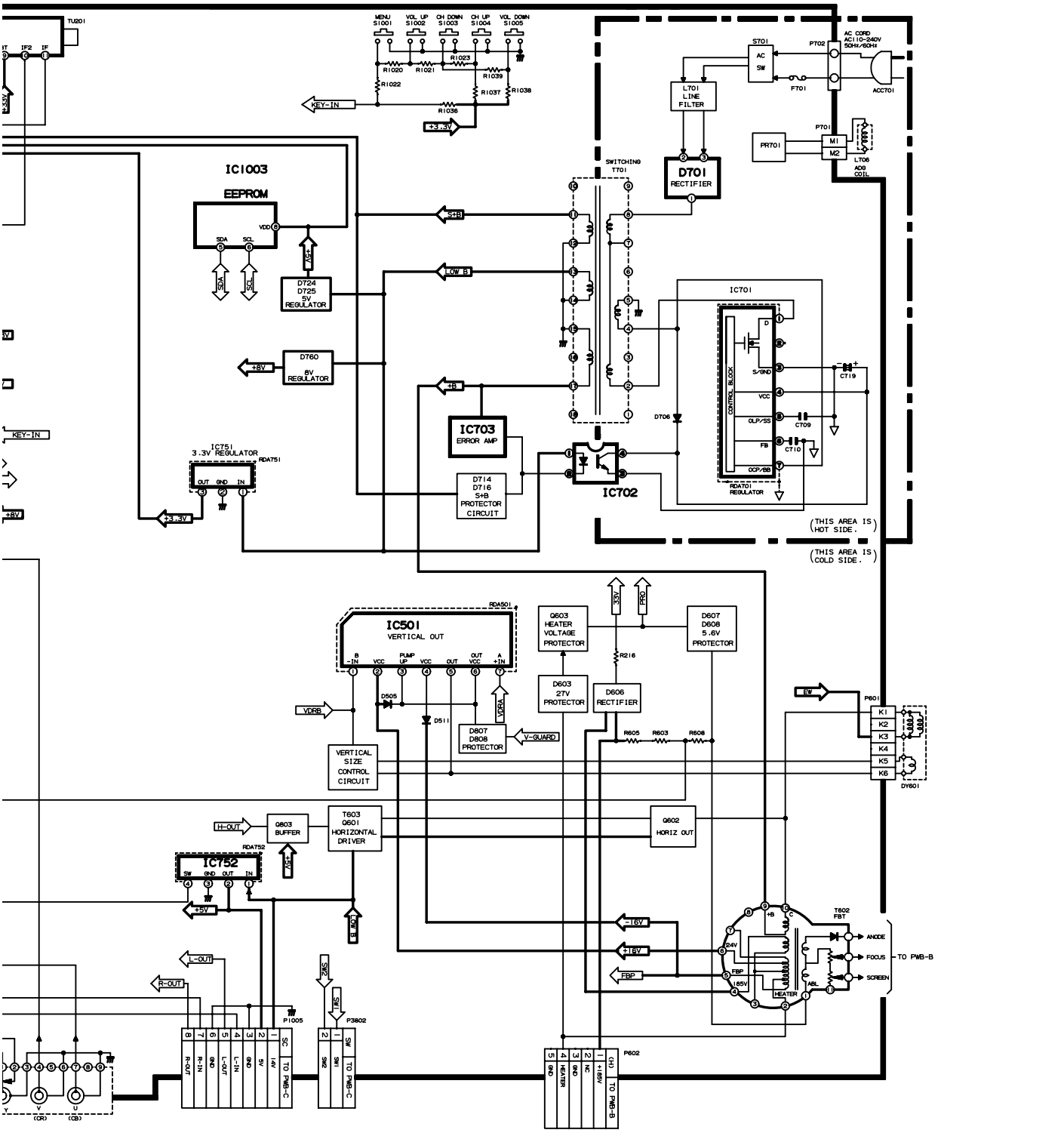
21S-FX10F / 21S-FX10S
21S-FX10N / 21S-FX10U



CHAPTER 8. BLOCK DIAGRAM

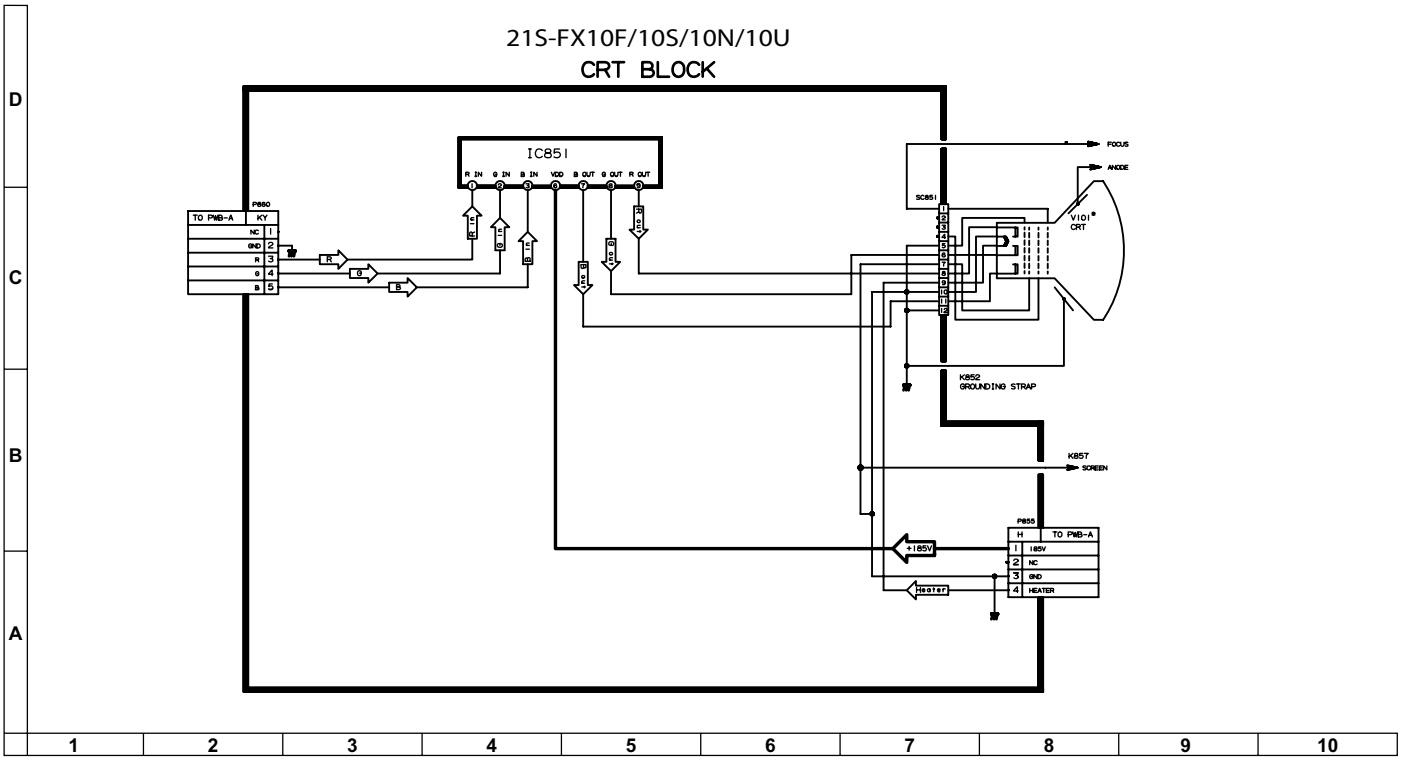
[1] BLOCK DIAGRAM: MAIN UNIT



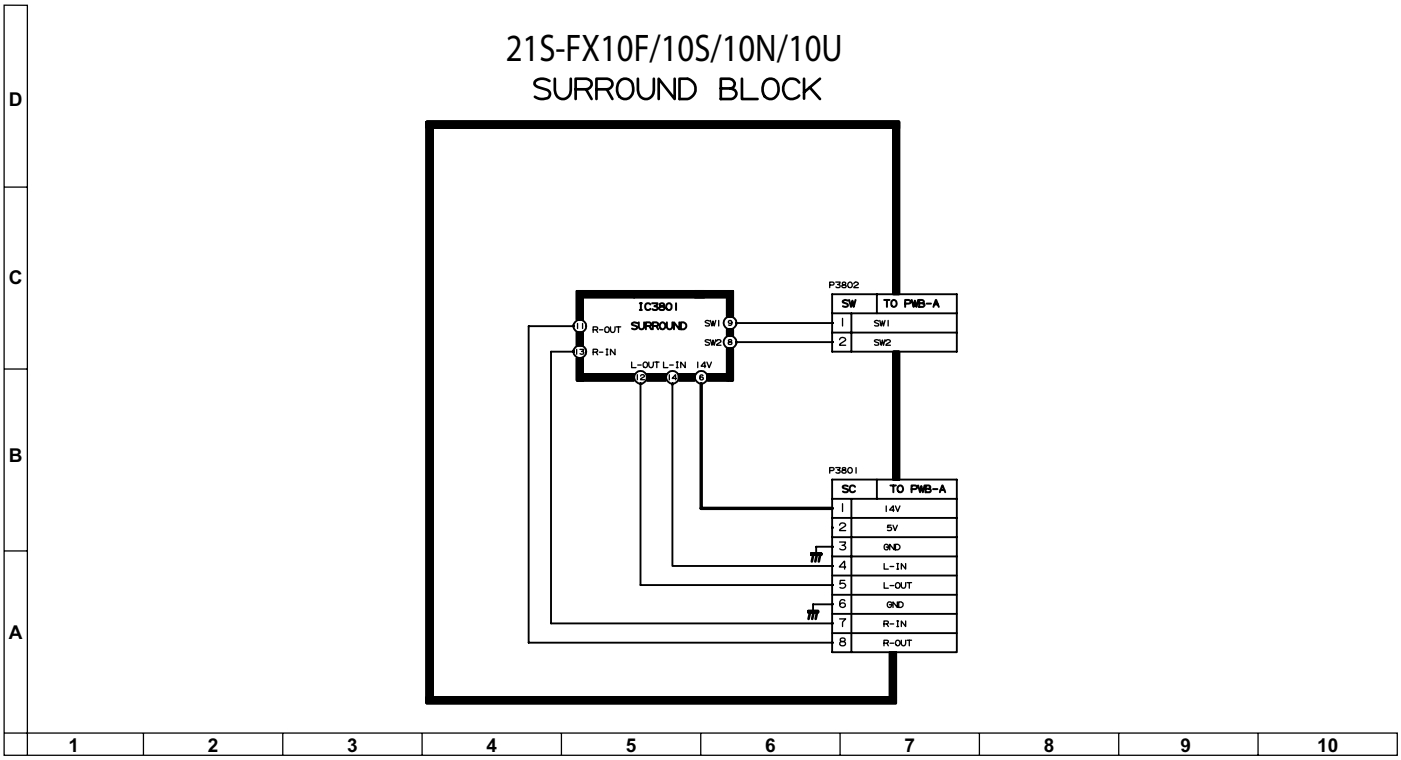


10	11	12	13	14	15	16	17	18	19

[2] BLOCK DIAGRAM: CRT UNIT



[3] BLOCK DIAGRAM: SIDE AV UNIT



CHAPTER 9. DESCRIPTION OF SCHEMATIC DIAGRAM

[1] DESCRIPTION OF SCHEMATIC DIAGRAM

SAFETY NOTES:
1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASIS IS OPERATING.

IMPORTANT SAFETY NOTICE:
PARTS MARKED WITH " ⚠ " ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

SERVICE PRECAUTION:
THE AREA ENCLOSED BY THIS LINE (——) IS DIRECTLY CONNECTED WITH AC MAINS VOLTAGE.
WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

CAUTION:
This circuit diagram is a standard one, prited circuits may be subject to change for product improvement without prior notice.

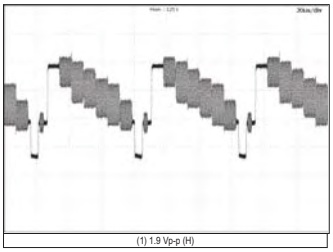
NOTES:
1. The unit of resistance "ohm" is omitted. (K = 1000 ohms, M = Meg ohm).
2. All resistors are 1/16 watt, unless otherwise noted.
3. All capacitors are µF, unless otherwise noted. (P = µµF).

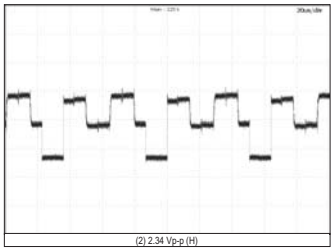
VOLTAGE MESUREMENT CONDITIONS:
1. Voltages in parenthesis measured with no signal .
2. Voltages without parenthesis measured with 3mV B & W or Colour signal.
3. All the voltages in each point are measured with VTVM.

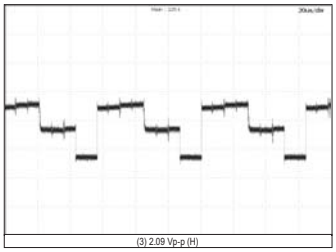
WAVEFORM MEASUREMENT CONDITIONS:
1. The colour bar generator signal applied at TU201, 2.0V peak to peak checked at pin (34) of IC 1001.
2. Approximately 4.0V AGC bias.

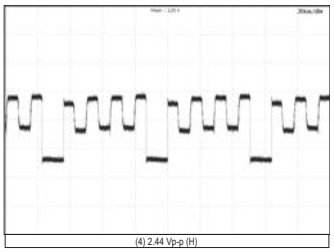
CHAPTER 10. WAVEFORMS

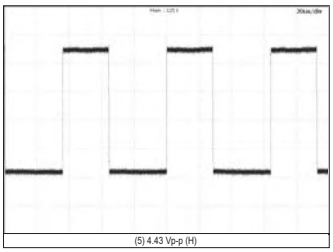
[1] WAVEFORMS

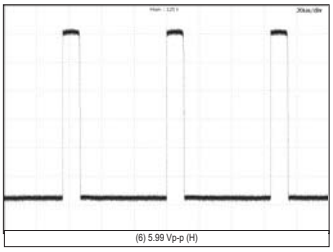

(1) 1.9 Vp-p (H)

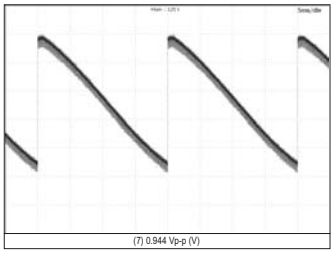

(2) 2.34 Vp-p (H)

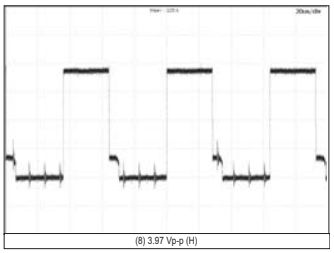

(3) 2.09 Vp-p (H)

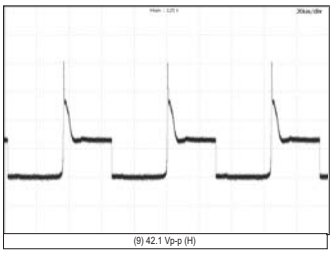

(4) 2.44 Vp-p (H)

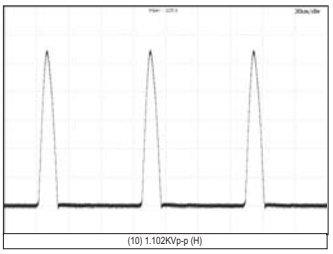

(5) 4.43 Vp-p (H)

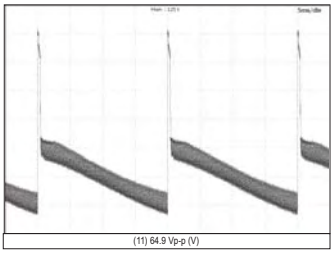

(6) 5.99 Vp-p (H)

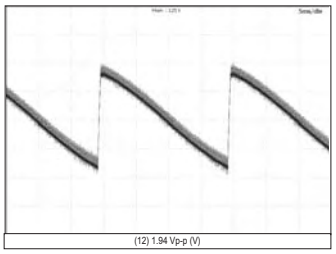

(7) 0.944 Vp-p (V)

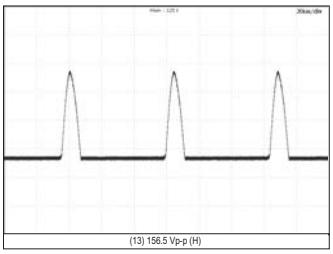

(8) 3.97 Vp-p (H)

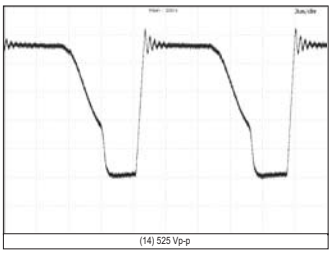

(9) 42.1 Vp-p (H)

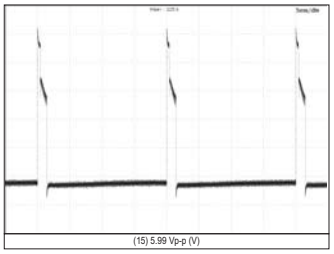

(10) 1.102KVp-p (H)

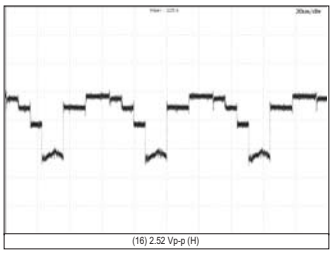

(11) 64.9 Vp-p (V)

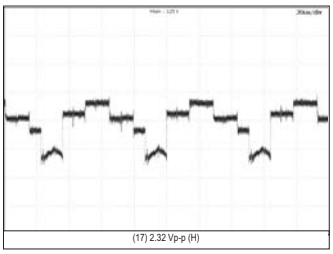

(12) 1.94 Vp-p (V)

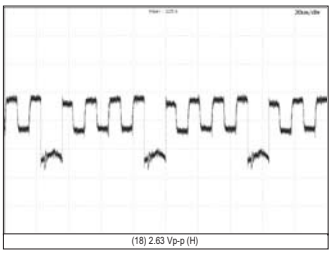

(13) 156.5 Vp-p (H)

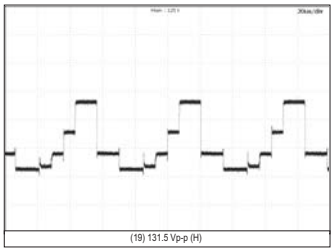

(14) 525 Vp-p

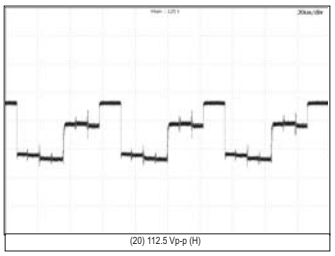

(15) 5.99 Vp-p (V)

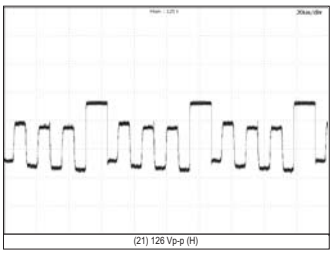

(16) 2.52 Vp-p (H)


(17) 2.32 Vp-p (H)


(18) 2.63 Vp-p (H)

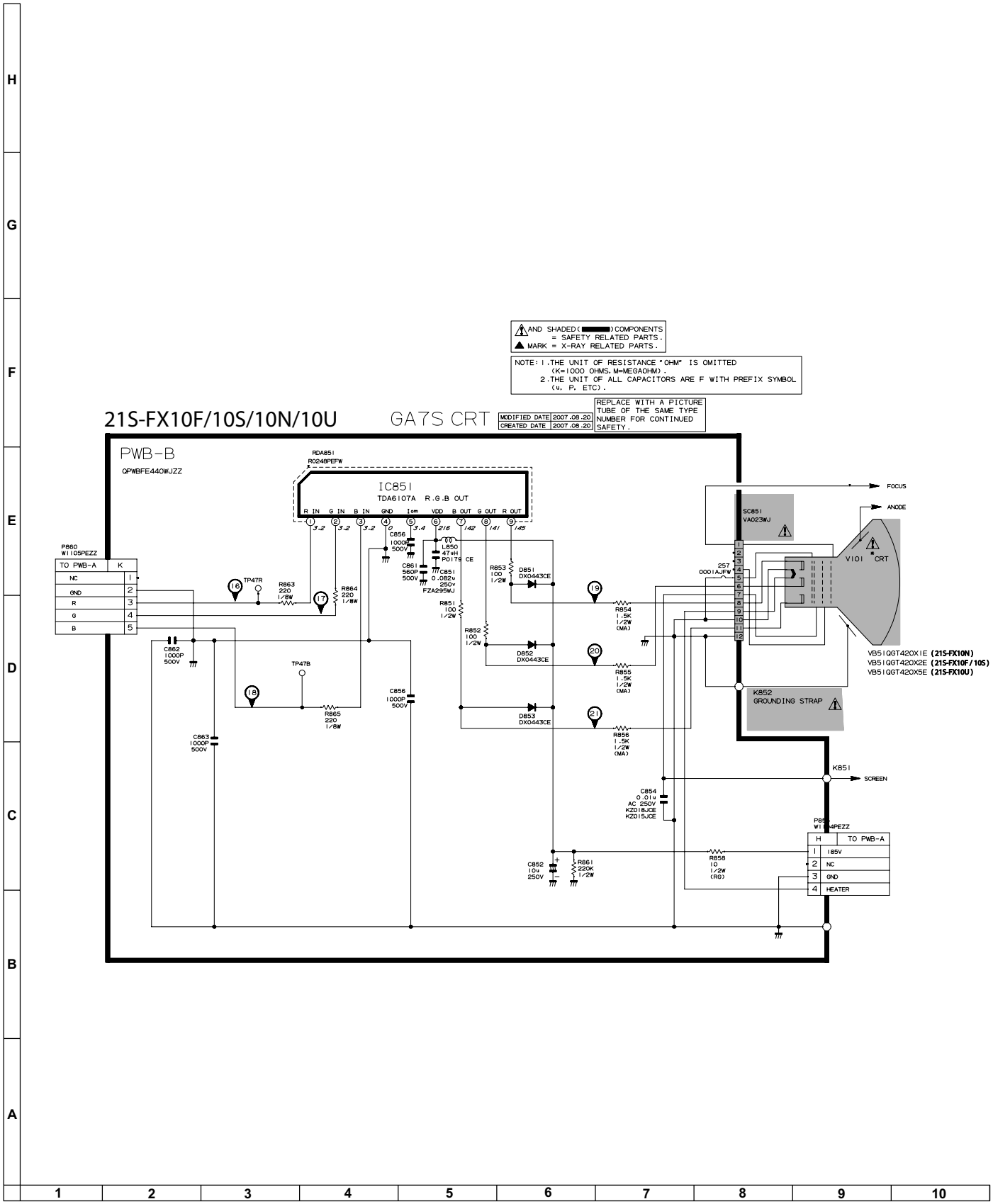

(19) 131.5 Vp-p (H)


(20) 112.5 Vp-p (H)

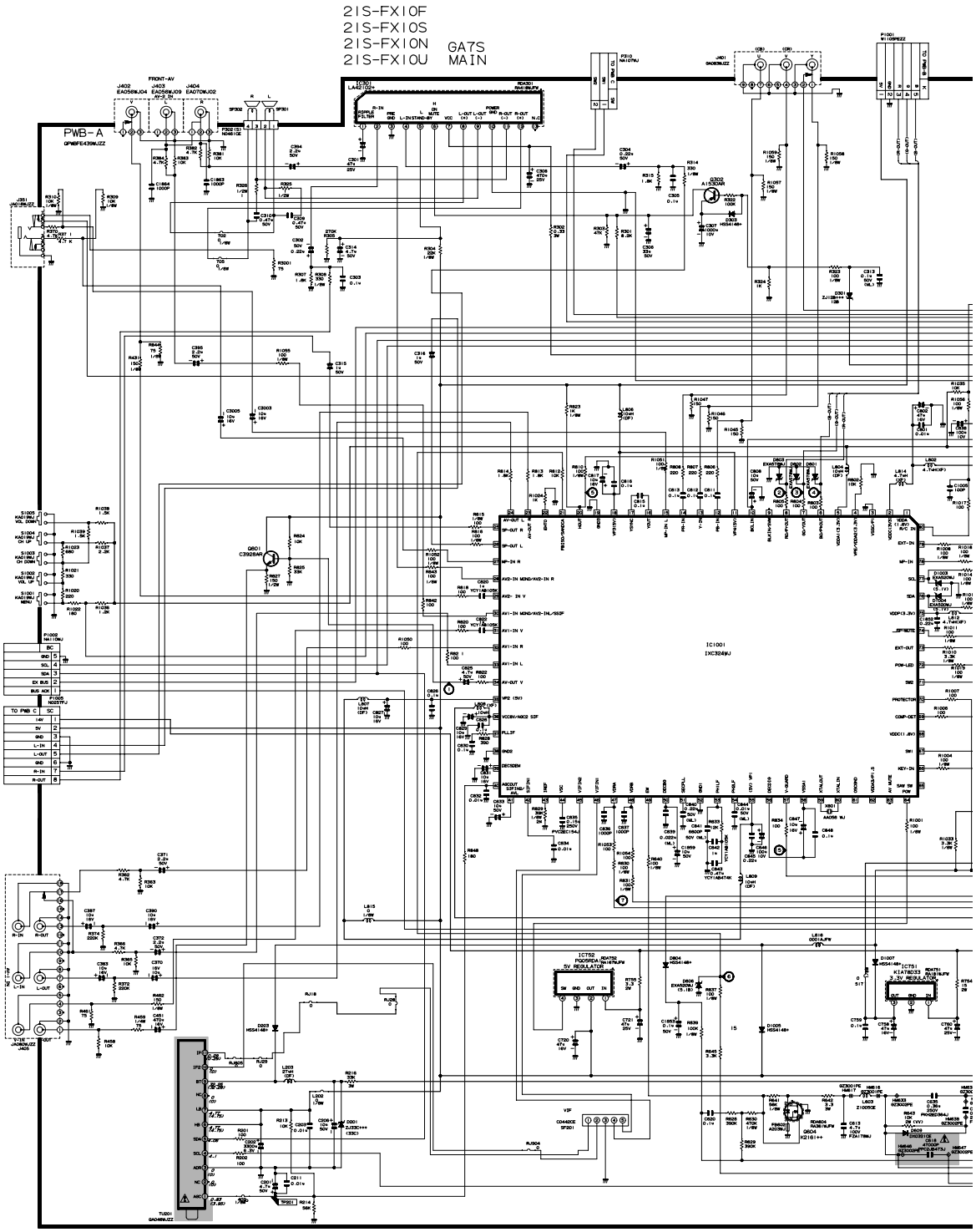

(21) 126 Vp-p (H)

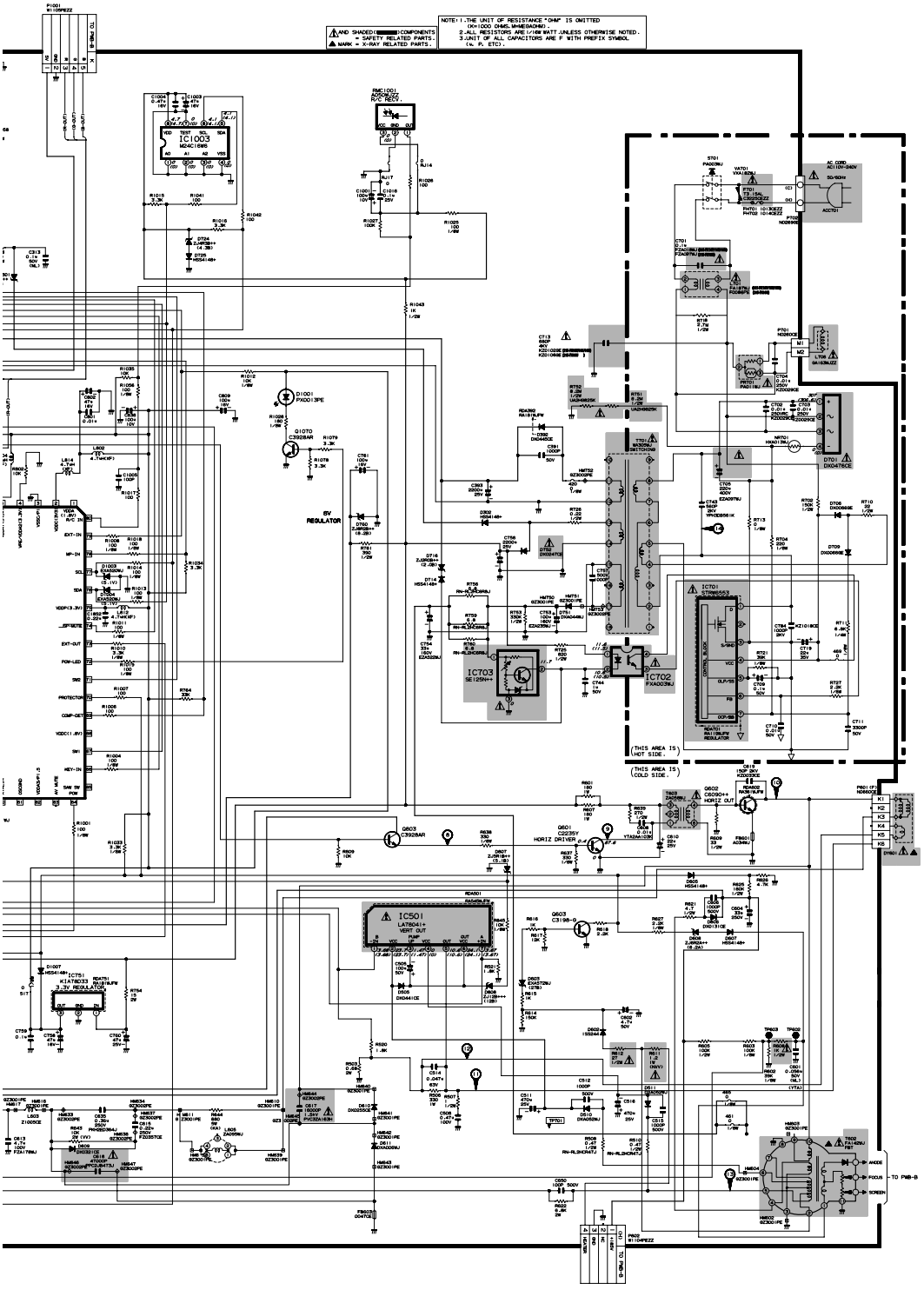
CHAPTER 11. SCHEMATIC DIAGRAM

[1] SCHEMATIC DIAGRAM: CRT UNIT



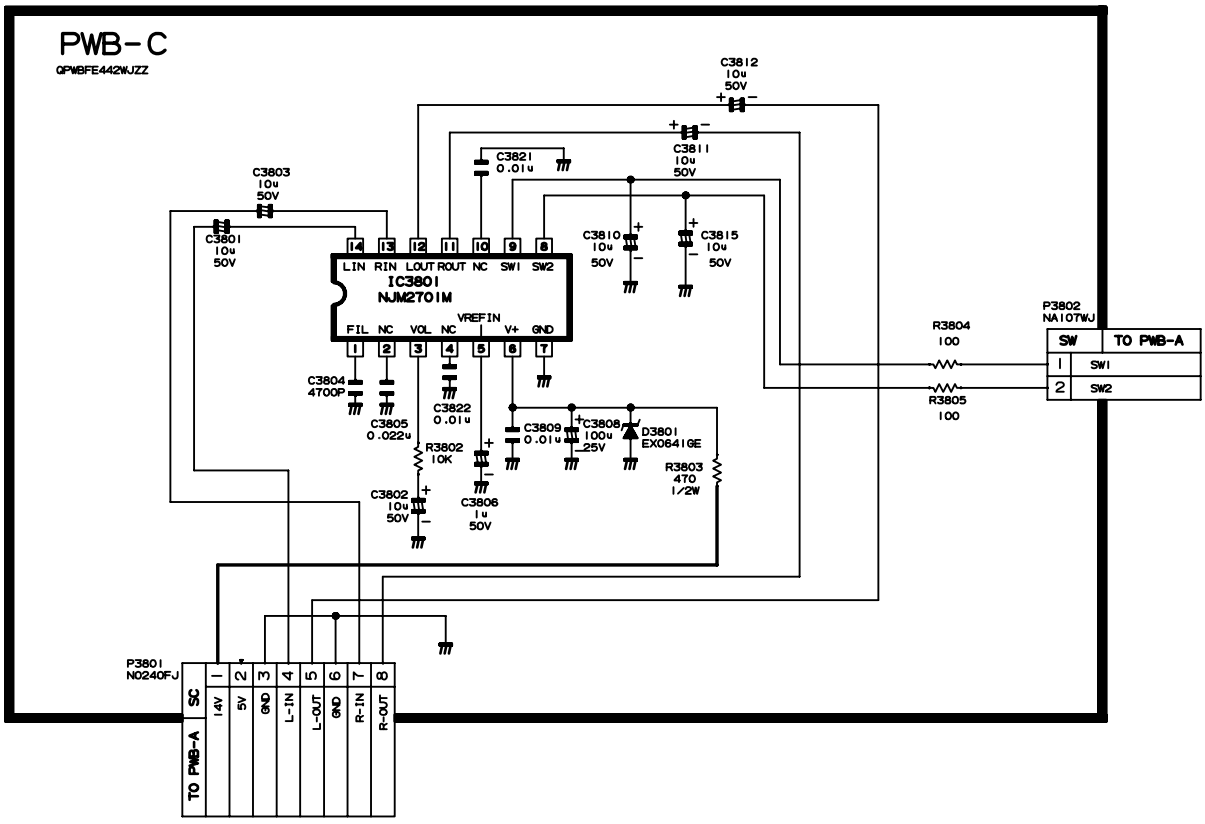
[2] SCHEMATIC DIAGRAM: MAIN UNIT





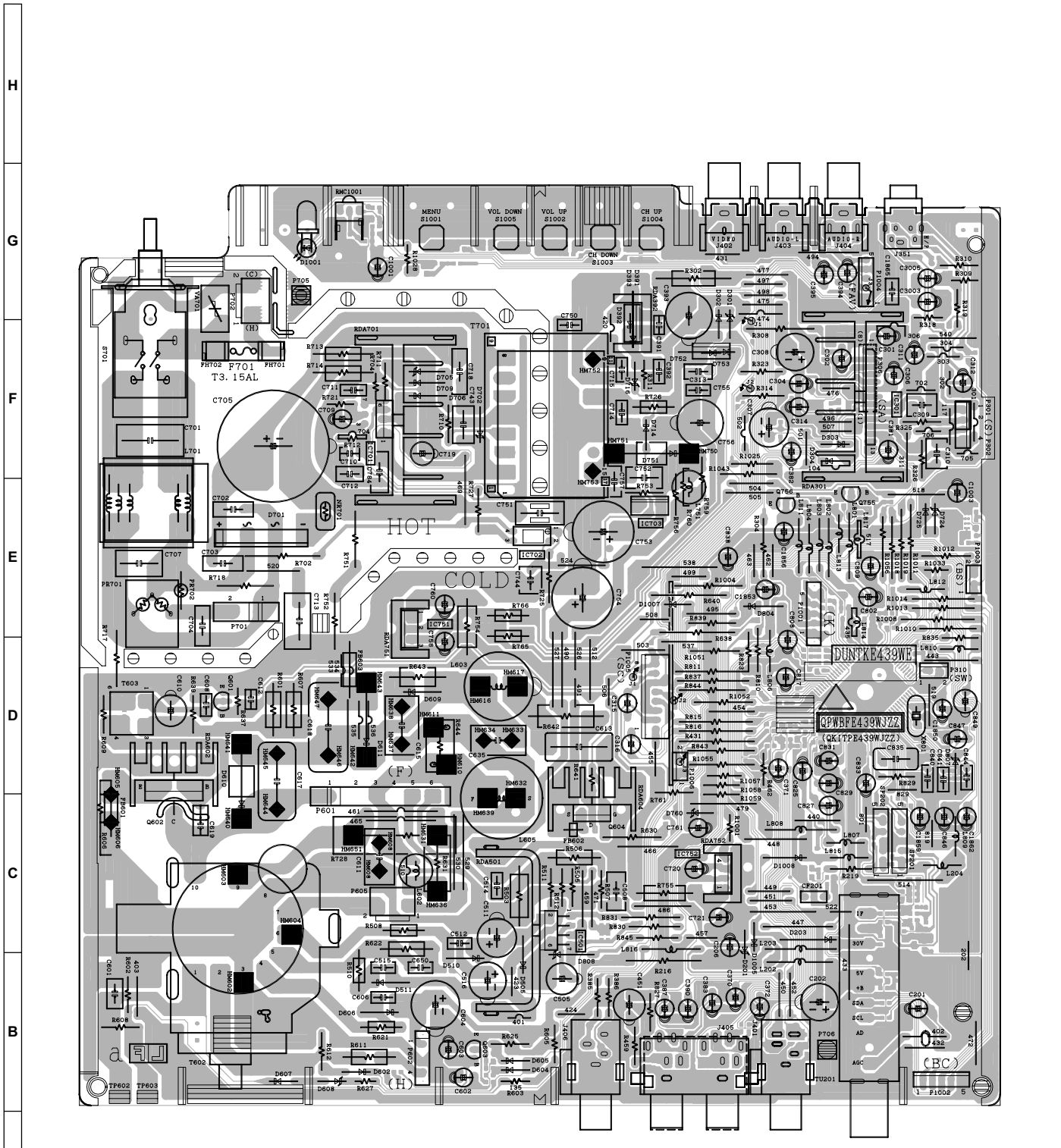
10	11	12	13	14	15	16	17	18	19

[3] SCHEMATIC DIAGRAM:SURROUND UNIT

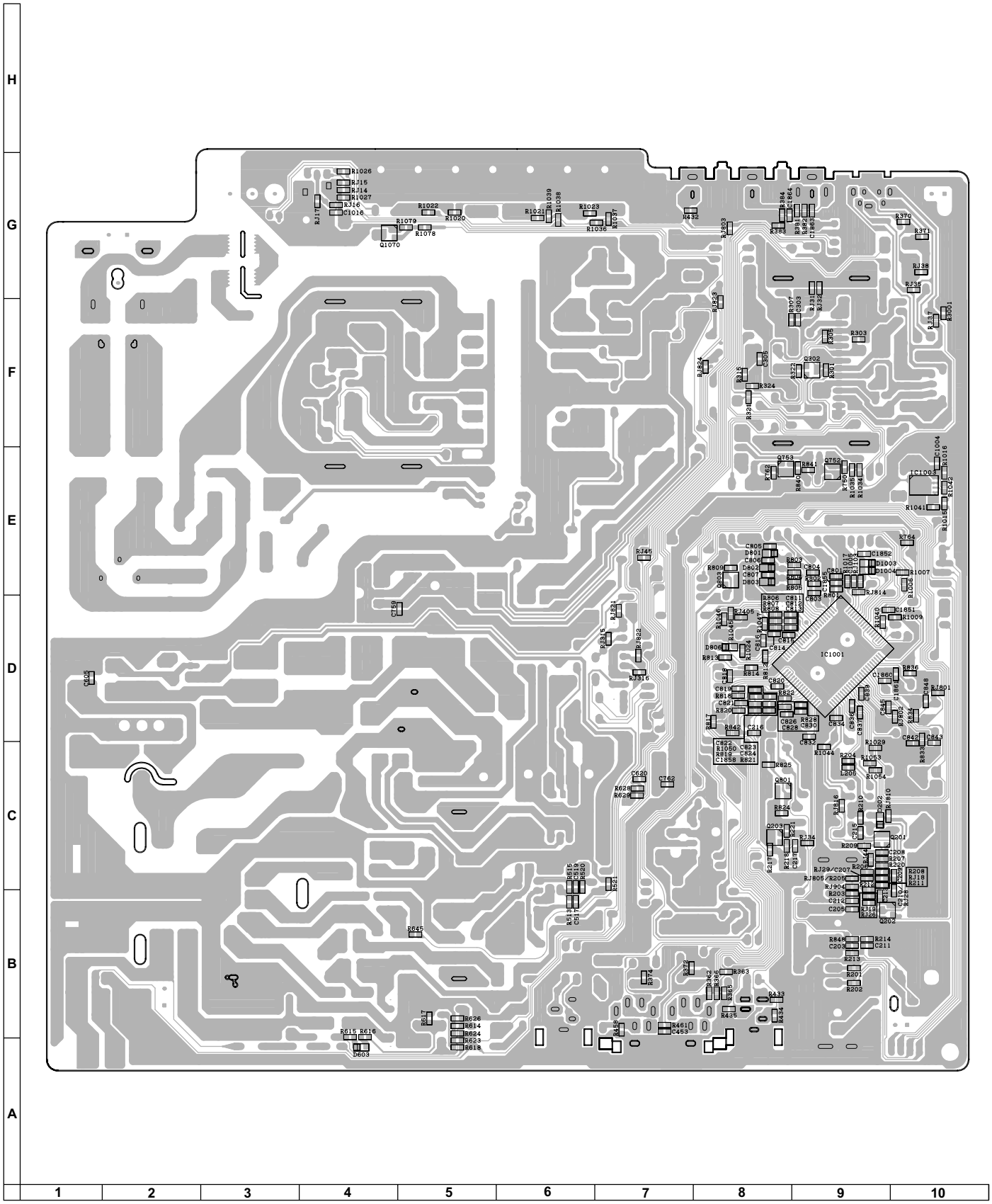


CHAPTER 12. PRINTED WIRING BOARD ASSEMBLIES

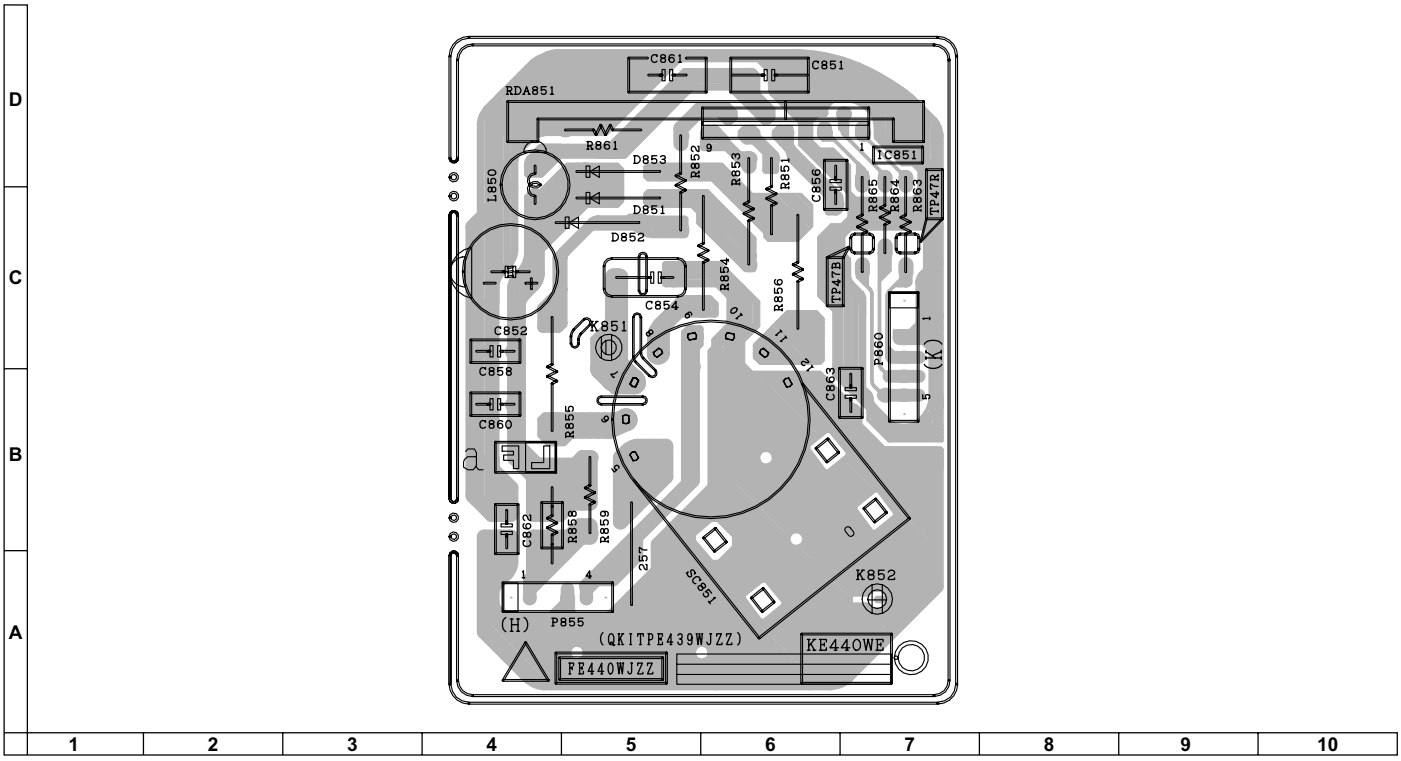
[1] PWB-A: MAIN PART SIDE



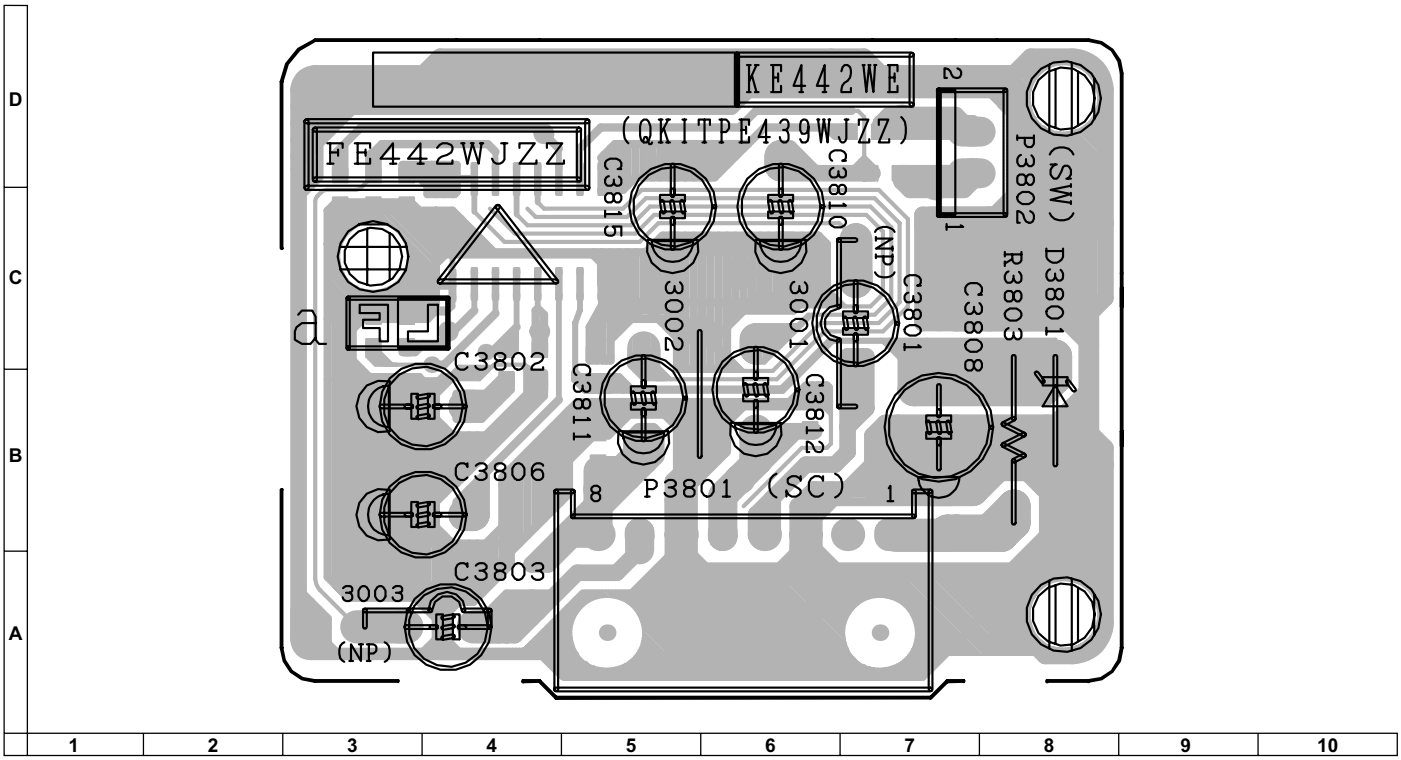
[2] PWB-A: MAIN CHIP SIDE



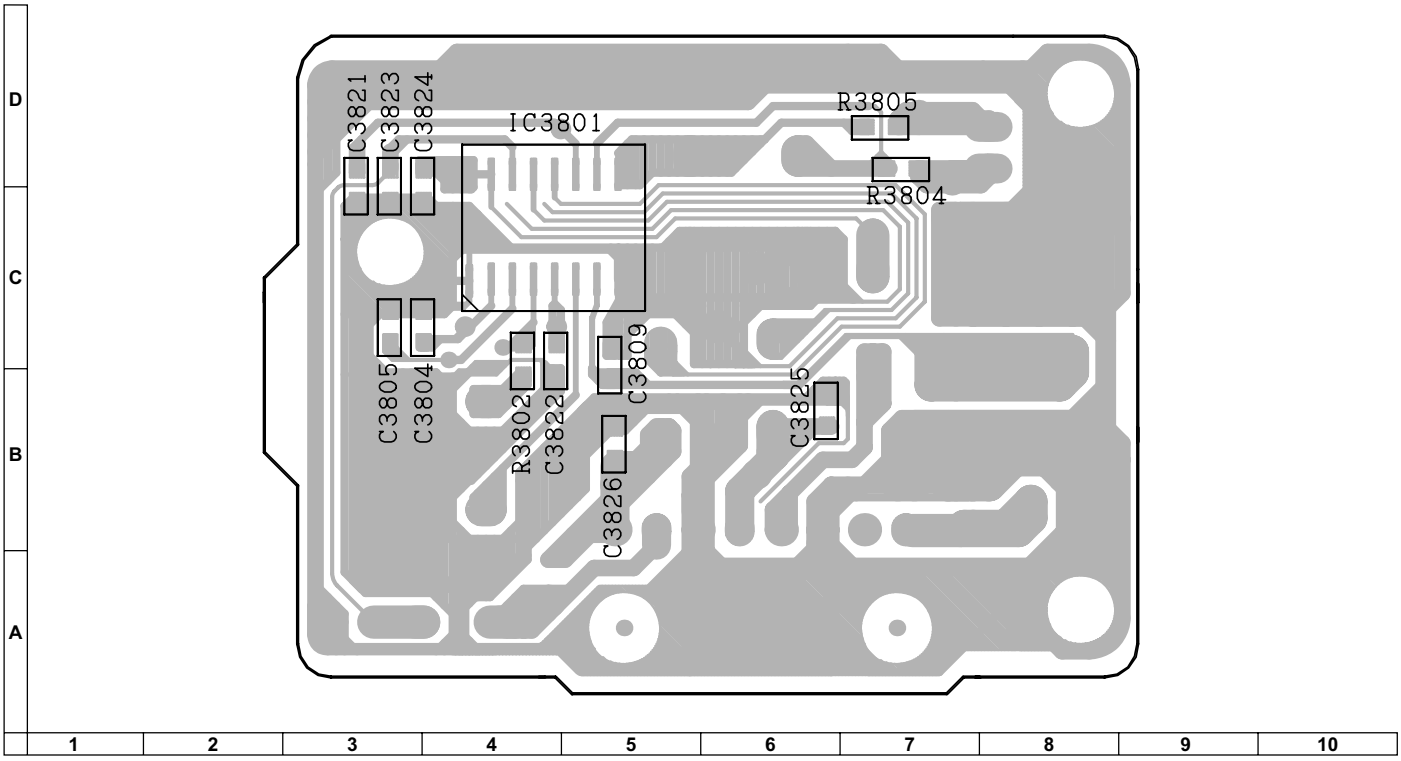
[3] PWB-B: CRT PART SIDE



[4] PWB-C: SURROUND PART SIDE



[5] PWB-C: SURROUND CHIP SIDE



SHARP PARTS GUIDE

S7810621SFX10F

21S-FX10F
21S-FX10S
21S-FX10N
MODEL 21S-FX10U

CONTENTS

[1] PICTURE TUBE

[2] PRINTED WIRING BOARD ASSEMBLIES

[3] MAIN UNIT

[4] CRT UNIT

[5] SURROUND UNIT

[6] MISCELLANEOUS PARTS

[7] SUPPLIED ACCESSORIES

[8] CABINET PARTS

[9] PACKING PARTS

■ INDEX

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
	[1] PICTURE TUBE					
⚠		VB51QGT420X2E			R	ITC Picture Tube (21S-FX10F / 21S-FX10S)
⚠		VB51QGT420X1E			R	ITC Picture Tube (21S-FX10N)
⚠		VB51QGT420X5E			R	ITC Picture Tube (21S-FX10U)
⚠		RCiLGA163WJZZ			R	Degaussing Coil
		QEARCA052WJZZ			R	Ground-Part
	[2] PRINTED WIRING BOARD ASSEMBLIES					
		DUNTKE439WEA5	−		−	MAIN Unit (21S-FX10F)
		DUNTKE439WEA4	−		−	MAIN Unit (21S-FX10S)
		DUNTKE439WEA2	−		−	MAIN Unit (21S-FX10N)
		DUNTKE439WEA3	−		−	MAIN Unit (21S-FX10U)
		DUNTKE440WEA5	−		−	CRT Unit (21S-FX10F)
		DUNTKE440WEA4	−		−	CRT Unit (21S-FX10S)
		DUNTKE440WEA2	−		−	CRT Unit (21S-FX10N)
		DUNTKE440WEA3	−		−	CRT Unit (21S-FX10U)
		DUNTKE442WEA5	−		−	SURROUND Unit (21S-FX10F)
		DUNTKE442WEA4	−		−	SURROUND Unit (21S-FX10S)
		DUNTKE442WEA2	−		−	SURROUND Unit (21S-FX10N)
		DUNTKE442WEA3	−		−	SURROUND Unit (21S-FX10U)
	[3] MAIN UNIT					
⚠	TU201	RTUNQA046WJZZ	AT		R	Tuner (21S-FX10N / 21S-FX10U Only)
	TU201	RTUNQA039WJZZ			R	Tuner (21S-FX10F / 21S-FX10S Only)
	IC301	VHiLA42102+−1			R	I.C.
⚠	IC501	VHiLA78041+−1			R	I.C.
⚠	IC701	VHiSTRW6553−1	AM		R	I.C.
	IC702	RH−FXA003WJZZ			R	I.C.
	IC703	VHiSE125N++−F			R	I.C.
	IC751	VHiKiA78D33−1			R	I.C.
	IC752	VHiPQ05RDA1−1			R	I.C.
	IC1001	RH−iXC324WJZZQ			R	I.C.
	IC1003	VHiM24C16W6−1Y			R	I.C.
	Q201	VS2SC2735//−1Y			R	2SC2735 (21S-FX10F / 21S-FX10S Only)
	Q202	VS2SC3928AR−1Y	AB		R	2SC3928AR (21S-FX10F / 21S-FX10S Only)
	Q302	VS2SA1530AR−1Y	AB		R	2SA1530AR
	Q601	VS2SC2235Y/1E+	AE		R	2SC2235
	Q602	VS2SC6090++1E			R	2SC6090++
	Q603	VS2SC3198−G−1+	AA		R	2SC3198
	Q604	VS2SK2161++−1			R	2SK2161++
	Q801	VS2SC3928AR−1Y	AB		R	2SC3928AR
	Q803	VS2SC3928AR−1Y	AB		R	2SC3928AR
	Q1070	VS2SC3928AR−1Y	AB		R	2SC3928AR
	D201	VHEZJ33C+++1EY			R	Diode
	D202	VHD1SS356//−1Y			R	Diode (21S-FX10F / 21S-FX10S Only)
	D203	VHDHSS4148+−1Y	AA		R	Diode
	D301	VHEZJ12B+++1EY			R	Diode
	D302	VHDHSS4148+−1Y	AA		R	Diode
	D303	VHDHSS4148+−1Y	AA		R	Diode
	D392	RH−DX0445CEZZ	AC		R	Diode, DX0445CE
	D505	RH−DX0441CEZZY	AC		R	Diode, DX0441CE
	D510	RH−DX0302CEZZY	AC		R	Diode, DX0131CE
	D511	RH−DX0302CEZZY	AC		R	Diode, DX0131CE
	D602	VHD1SS244//−1Y	AB		R	Diode ,1SS244
	D603	RH−EXA572WJZZY			R	Zener Diode
	D605	VHDHSS4148+−1Y	AA		R	Diode
	D606	RH−DX0131CEZZY	AC		R	Diode, DX0131CE
	D607	VHDHSS4148+−1Y	AA		R	Diode
	D608	VHEZJ6R2A++1EY			R	Zener Diode
	D609	RH−DX0321CEZZY			R	Diode ,DX0321CE
	D610	RH−DX0255CEZZ			R	Diode ,DX0255CE
	D611	RH−DXA006WJZZ	AD		R	Diode, DXA006WJ
⚠	D701	RH−DX0476CEZZ	AG		R	Diode, DX0476CE
	D706	RH−DX0066GEZZY	AC		R	Diode, DX0066GE
	D709	RH−DX0066GEZZY	AC		R	Diode, DX0066GE
	D714	VHDHSS4148+−1Y	AA		R	Diode
	D716	VHEZJ2R0B++1EY			R	Zener Diode
	D724	VHEZJ4R3B++1EY			R	Zener Diode
	D725	VHDHSS4148+−1Y	AA		R	Diode
	D751	RH−DXA006WJZZ	AD		R	Diode, DXA006WJ
	D752	RH−DX0247CEZZ	AE		R	Diode, DX0247CE
	D760	VHEZJ8R2B++1EY			R	Zener Diode
	D801	RH−EXA578WJZZY			R	Zener Diode 33V
	D802	RH−EXA578WJZZY			R	Zener Diode 33V
	D803	RH−EXA578WJZZY			R	Zener Diode 33V
	D804	VHDHSS4148+−1Y	AA		R	Diode
	D806	RH−EXA520WJZZY			R	Zener Diode 5.1V
	D807	VHEZJ5R1B++1EY			R	Zener Diode
	D808	VHEZJ27B+++1EY			R	
	D1001	RH−PX0013PEZZ	AC		R	Photodiode
	D1003	RH−EXA520WJZZY			R	Zener Diode 5.1V
	D1004	RH−EXA520WJZZY			R	Zener Diode 5.1V
	D1005	VHDHSS4148+−1Y	AA		R	Diode
	D1007	VHDHSS4148+−1Y	AA		R	Diode
	NR701	RH−HXA013WJZZ+			R	Thermistor

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] MAIN UNIT					
VA701	RH-VX0073CEZZ	AD		R	Varistor
PR701	RMPTP0011CEZZ	AL		R	Packaged Circuit
X801	RCRSAA058WJZZ	AF		R	Crystal
L202	QJUM-0001AJFWY			R	Jumper Wire
L203	VP-DF270K0000Y	AB		R	Peaking 27mH
L204	VP-XF1R2K0000Y	AB		R	Peaking 1.2mH (21S-FX10F / 21S-FX10S Only)
L603	RCiLZ1005CEZZ	AD		R	Coil
L605	RCiLZA095WJZZ	AD		R	Coil
L701	RCiLFA187WJZZ	AD		R	Coil
L701	RCiLF0086PEN1			R	Coil (21S-FX10U Only)
L802	VP-XF4R7K0000Y	AB		R	Peaking 4.7mH
L804	VP-DF100K0000Y	AB		R	Peaking 10mH
L806	VP-DF100K0000Y	AB		R	Peaking 10mH
L807	VP-DF100K0000Y	AB		R	Peaking 10mH
L808	VP-XF100K0000Y	AB		R	Peaking 10mH
L809	VP-DF100K0000Y	AB		R	Peaking 10mH
L812	VP-XF4R7K0000Y	AB		R	Peaking 4.7mH
L814	VP-XF4R7K0000Y	AB		R	Peaking 4.7mH
L815	QJUM-0001AJFWY			R	Jumper Wire
L816	QJUM-0001AJFWY			R	Jumper Wire
L850	RCiLP0179CEZZ+	AD		R	Coil
SF201	RFiLC0442CEZZ			R	Filter (21S-FX10N / 21S-FX10U Only)
SF201	RFiLC0037PEZZ			R	Filter (21S-FX10F / 21S-FX10S Only)
T602	RTRNFA142WJZZ	AV		R	H-Volt Transformer
T603	RTRNZA058WJZZ	AD		R	Transformer
T701	RTRNWA305WJZZ			R	Transformer
C201	VCEA0A1HW475M+	AB		R	47 50V Electrolytic
C202	VCEA0A0JW338M+	AC		R	3300 10V Electrolytic
C203	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C206	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C207	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic (21S-FX10F / 21S-FX10S Only)
C208	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic (21S-FX10F / 21S-FX10S Only)
C209	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic (21S-FX10F / 21S-FX10S Only)
C210	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic (21S-FX10F / 21S-FX10S Only)
C211	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C301	VCEA0A1EW476M+	AD		R	47 25V Electrolytic
C302	VCEA0A1HW224M+	AB		R	0.22 50V Electrolytic
C303	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C304	VCEA0A1HW224M+	AB		R	0.22 50V Electrolytic
C305	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C306	VCEA0A1HW336M+	AB		R	33 50V Electrolytic
C307	VCEA0A1AW108M+	AB		R	1000 10V Electrolytic
C308	VCEA0A1EW477M+	AD		R	470 25V Electrolytic
C309	VCFYFA1HA474J+	AE		R	0.47 50V Mylar
C310	VCFYFA1HA474J+	AE		R	0.47 50V Mylar
C313	VCFYFA1HA104J+	AB		R	0.1 50V Mylar
C314	VCEA0A1HW475M+	AB		R	47 50V Electrolytic
C315	VCE9GA1HW105M+			R	1000000pf 50V Alminium electrolytic
C316	VCE9GA1HW105M+			R	1000000pf 50V Alminium electrolytic
C370	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C371	VCEA0A1HW225M+	AB		R	2.2 50V Electrolytic
C372	VCEA0A1HW225M+	AB		R	2.2 50V Electrolytic
C383	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C387	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C390	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C391	VCKYPA1HB102K+	AA		R	1000p 50V Ceramic
C393	VCEA0A1EW228M+	AD		R	2200 25V Electrolytic
C394	VCEA0A1HW225M+	AB		R	2.2 50V Electrolytic
C395	VCEA0A1HW225M+	AB		R	2.2 50V Electrolytic
C451	VCEA0A1CW477M+	AC		R	470 16V Electrolytic
C505	VCEA0A1HW107M+	AB		R	100 50V Electrolytic
C508	VCFYAA2AA474J+	AD		R	0.47 100V Mylar
C511	VCEA0A1EW477M+	AB		R	470 25V Electrolytic
C512	VCKYPA2HB102K+	AA		R	1000p 500V Ceramic
C514	VCFYSA1JB473J+			R	
C515	VCKYPA1HB102K+	AA		R	1000p 50V Ceramic
C516	VCEA0A1EW477M+	AB		R	470 25V Electrolytic
C601	VCQYTA1HM563J+	AB		R	0.056 50 Mylar
C602	VCEA0A1HW475M+	AB		R	4.7 50V Electrolytic
C604	VCEA0A2EW336M+	AD		R	33 250V Electrolytic
C606	VCKYPA2HB102K+	AD		R	1000p 500V Ceramic
C608	VCQYTA2AA103K+	AC		R	0.01 100V Mylar
C610	VCEA0A1EW226M+	AB		R	22 25V Electrolytic
C613	RC-FZA178WJZZ			R	4.7uf 63V Metalic plastic film
C615	RC-FZ0357CEN1			R	220000pf 250V Metalic plastic film
C617	VCFPVC3ZA163H	AD		R	0.16 1.8KV Metalized Polypro Film
C618	VCQPPC2JB473J			R	47000pf 630V Plastic film
C619	RC-KZ0033CEZZ+			R	150pf 2000V Porcelain
C620	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C635	VCFPKH2ED364J			R	0.36uf 250V Metalic plastic film
C650	VCKYPA2HB101K+	AB		R	100p 500V Ceramic
C701	RC-FZA018WJZZ	AD		R	100000pf 275V Metalic plastic film
C701	RC-FZA097WJZZ			R	275V Metalic plastic film (21S-FX10U Only)
C702	RC-KZ0029CEZZ+	AC		R	0.01 250V Ceramic
C703	RC-KZ0029CEZZ+	AC		R	0.01 250V Ceramic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] MAIN UNIT					
C704	RC-KZ0029CEZZ+	AC		R	0.01 250V Ceramic
C705	RC-EZA229WJZZ	AM		R	220uf 400V Alminium electrolytic
C709	VCEA0A1HW104M+	AB		R	0.1 50V Electrolytic
C710	VCQYTA1HM103J+	AB		R	0.01 50V Mylar
C711	VCKYPA1HB332K+	AB		R	3300p 50V Ceramic
C713	RC-KZ0102GEZZ	AE		R	680p 250V Ceramic
C713	RC-KZ0106GEZZ			R	250V Ceramic (21S-FX10U Only)
C719	VCEA0A1VW226M+	AB		R	22 50V Electrolytic
C720	VCEA0A1CW476M+	AB		R	47 16V Electrolytic
C721	VCEA0A1EW476M+	AB		R	47 25V Electrolytic
C743	VCKYPH3DB561K	AC		R	560p 2KV Ceramic
C744	VCFYSA1HB105J+			R	
C753	RC-EZA235WJZZ	AD		R	100 160V Electrolytic
C754	RC-EZ0638CEZZ	AD		R	33 160V Electrolytic
C756	VCEA0A1EW228M+	AE		R	2200 25V Electrolytic
C757	VCKYPA2HB102K+	AC		R	1000p 500V Ceramic
C758	VCEA0A1CW476M+	AB		R	47 16V Electrolytic
C759	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C760	VCEA0A1EW476M+	AB		R	47 25V Electrolytic
C761	VCEA0A1CW107M+	AB		R	100 16V Electrolytic
C784	RC-KZ1018CEZZ+	AC		R	1000p 2kV Ceramic
C801	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C802	VCEA0A1CW476M+	AB		R	47 16V Electrolytic
C808	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C809	VCEA0A1CW107M+	AB		R	100 16V Electrolytic
C811	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C812	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C813	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C815	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C816	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C817	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C820	VCKYCY1AB105KY	AA		R	1 10V Ceramic
C822	VCKYCY1AB105KY	AA		R	1 10V Ceramic
C825	VCEA0A1HW475M+	AB		R	4.7 50V Electrolytic
C826	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C827	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C828	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C829	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C830	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C831	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C832	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C833	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C834	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C835	VCFPV2EC154J			R	
C836	VCKYCY1HB102KY	AA		R	1000p 50V Ceramic
C837	VCKYCY1HB102KY	AA		R	1000p 50V Ceramic
C838	VCEA0A1AW107M+	AC		R	100 10V Electrolytic
C839	VCKYCY1HB223ZY	AA		R	0.22 50V Ceramic
C840	VCFYFA1HA224J+	AA		R	0.22 50V Ceramic
C841	VCQYTA1HM682J+			R	6800pf 50V Plastic Film
C842	VCKYCY1AB105KY	AA		R	1 10V Ceramic
C843	VCKYCY1AB474KY	AB		R	0.47 10V Ceramic
C844	VCQYTA1HM103J+	AB		R	0.01 50V Mylar
C845	VCKYCY1HF224ZY	AA		R	0.22 50V Ceramic
C846	VCEA0A1AW107M+	AB		R	100 10V Electrolytic
C847	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C848	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C853	VCKYPA1HB271K+	AA		R	270p 50V Ceramic
C880	RC-KZ0016CEZZ	AC		R	10000p 1.5KV Ceramic
C893	VCEA0A1CW336M+	AC		R	33 16V Electrolytic
C1001	VCEA0A1AW107M+	AB		R	100 10V Electrolytic
C1003	VCEA0A1CW476M+	AB		R	47 16V Electrolytic
C1004	VCKYCY1CF474ZY	AB		R	0.47 16V Ceramic
C1005	VCCCCY1HH101JY	AA		R	100p 50V Ceramic
C1016	VCKYCY1EF104ZY	AA		R	0.1 25V Ceramic
C1852	VCKYCY1HF224ZY	AA		R	0.22 50V Ceramic
C1853	VCEA0A1HW104M+	AB		R	0.1 50V Electrolytic
C1859	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C1863	VCKYCY1HB102KY	AA		R	1 50V Ceramic
C1864	VCKYCY1HB102KY	AA		R	1 50V Ceramic
C3003	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C3005	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
RJ15	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ16	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ18	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide (21S-FX10N / 21S-FX10U Only)
RJ28	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide (21S-FX10N / 21S-FX10U Only)
RJ29	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide (21S-FX10N / 21S-FX10U Only)
RJ31	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ44	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide (21S-FX10F / 21S-FX10S Only)
RJ103	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ405	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ802	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ805	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide (21S-FX10N / 21S-FX10U Only)
RJ814	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ821	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide

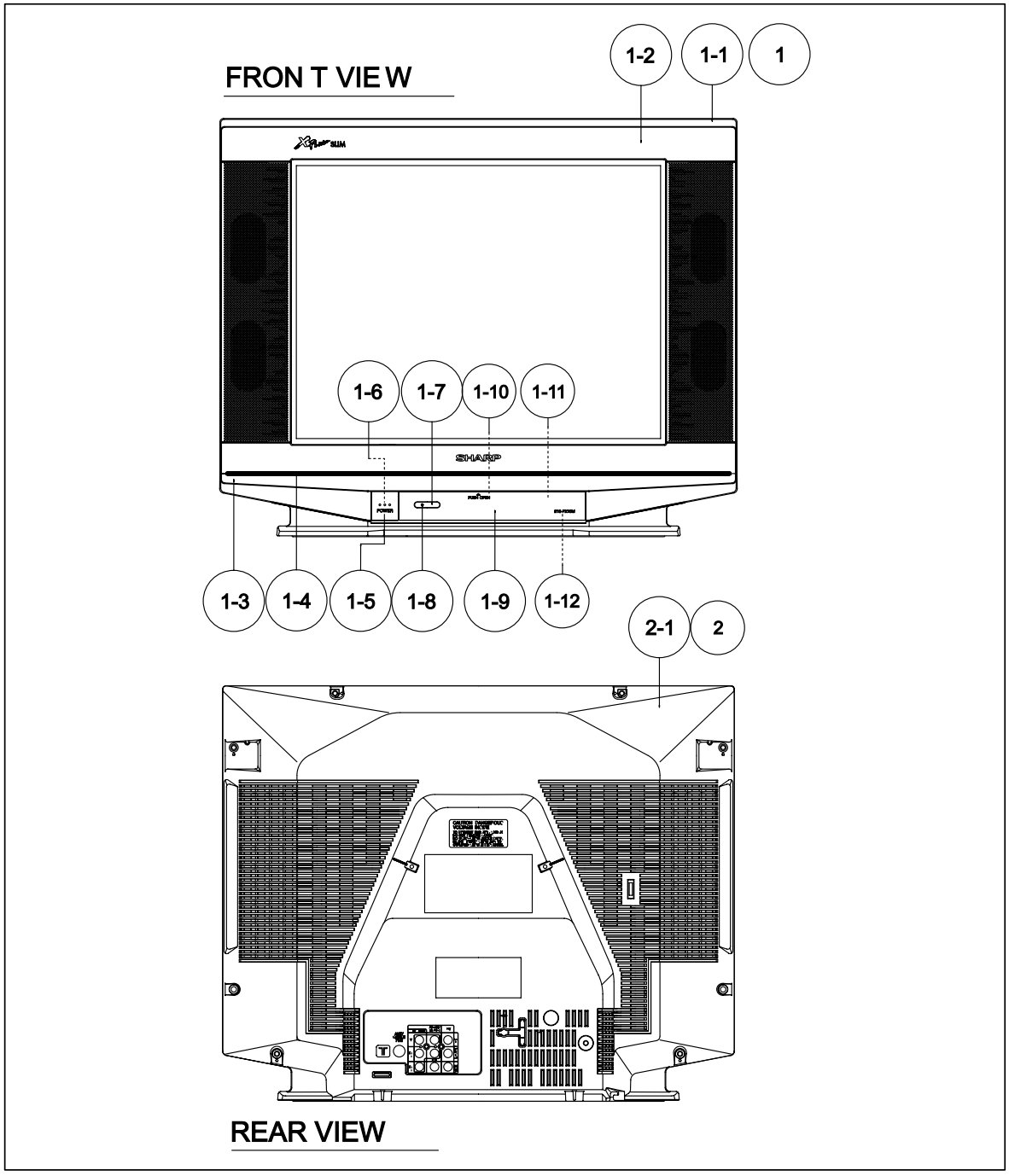
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] MAIN UNIT					
RJ822	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ823	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ824	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ904	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide (21S-FX10N / 21S-FX10U Only)
R201	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R202	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R205	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide (21S-FX10F / 10S Only)
R206	VRS-CY1JF272JY	AA		R	2.7K 1/16W Metal Oxide (21S-FX10F / 10S OnlY)
R207	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide (21S-FX10F / 10S Only)
R208	VRS-CY1JF471JY	AA		R	470 1/16W Metal Oxide (21S-FX10F / 10S Only)
R209	VRS-CY1JF392JY	AA		R	3.9K 1/16W Metal Oxide (21S-FX10F / 10S Only)
R210	VRS-CY1JF222JY	AA		R	2.2K 1/16W Metal Oxide (21S-FX10F / 10S Only)
R211	VRS-CY1JF682JY	AA		R	6.8K 1/16W Metal Oxide (21S-FX10F / 10S Only)
R212	VRS-CY1JF222JY	AA		R	2.2K 1/16W Metal Oxide (21S-FX10F / 10S Only)
R213	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R214	VRS-CY1JF563JY	AA		R	56K 1/16W Metal Oxide
R216	VRS-VV3LB333J	AC		R	33K 3W Metal Oxide
R220	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide (21S-FX10F / 10S Only)
R301	VRS-CY1JF822JY	AA		R	8.2K 1/16W Metal Oxide
R302	VRN-RL3LBR33J+	AA		R	0.33 3W Metal Film
R303	VRS-CY1JF473JY	AA		R	47K 1/16W Metal Oxide
R304	VRD-RA2BE223JY	AA		R	22K 1/8W Carbon
R305	VRS-CY1JF274JY	AA		R	270K 1/16W Metal Oxide
R307	VRS-CY1JF182JY	AA		R	1.8K 1/16W Metal Oxide
R308	VRD-RA2BE331JY	AA		R	330 1/8W Carbon
R309	VRD-RA2BE103JY	AA		R	10K 1/8W Carbon
R310	VRD-RA2BE103JY	AA		R	10K 1/8W Carbon
R314	VRD-RA2BE331JY	AA		R	330 1/8W Carbon
R315	VRS-CY1JF182JY	AA		R	1.8K 1/16W Metal Oxide
R322	VRS-CY1JF104JY	AA		R	100K 1/16W Metal Oxide
R323	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R324	VRS-CY1JF102JY	AA		R	1K 1/16W Metal Oxide
R325	VRD-RM2HD1R0JY	AA		R	1 1/2W Carbon
R326	VRD-RM2HD1R0JY	AA		R	1 1/2W Carbon
R362	VRS-CY1JF472JY	AA		R	4.7K 1/16W Metal Oxide
R363	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R365	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R366	VRS-CY1JF472JY	AA		R	4.7K 1/16W Metal Oxide
R370	VRS-CY1JF472JY	AA		R	4.7K 1/16W Metal Oxide
R371	VRS-CY1JF472JY	AA		R	4.7K 1/16W Metal Oxide
R372	VRS-CY1JF224JY	AA		R	220K 1/16W Metal Oxide
R374	VRS-CY1JF224JY	AA		R	220K 1/16W Metal Oxide
R381	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R382	VRS-CY1JF472JY	AA		R	4.7K 1/16W Metal Oxide
R383	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R384	VRS-CY1JF472JY	AA		R	4.7K 1/16W Metal Oxide
R431	VRD-RA2BE151JY	AA		R	150 1/8W Carbon
R458	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R459	VRD-RA2EE750JY	AA		R	75 1/4W Carbon
R461	VRS-CY1JF750JY	AA		R	75 1/16W Metal Oxide
R462	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R503	VRN-RL3DBR68J+	AB		R	68 2W Metal Film
R506	VRS-RG3AB331J+	AB		R	330 1W Metal Film
R507	VRD-RM2HD1R0JY	AA		R	1 1/2W Carbon
R508	VRN-RL2HCR47J+	AB		R	47 1/2W Metal Oxide
R510	VRN-RL2HCR47J+	AB		R	47 1/2W Metal Oxide
R520	VRS-CY1JF182JY	AA		R	1.8K 1/16W Metal Oxide
R521	VRS-CY1JF182JY	AA		R	1.8K 1/16W Metal Oxide
R601	VRS-RG3AB181J+	AB		R	180 1W Metal Film
R602	VRD-RA2BE393JY	AA		R	39K 1/8W Carbon
R603	VRD-RA2BE104JY	AA		R	100K 1/8W Carbon
R605	VRD-RM2HD104JY	AA		R	100K 1/2W Carbon
R607	VRS-RG3AB181J+	AB		R	180 1W Metal Film
⚠ R608	VRD-RM2HD102JY	AA		R	1K 1/2W Carbon
R609	VRD-RM2H330JY	AA		R	33 1/2W Carbon
⚠ R611	VRN-RL3AB1R2J+	AB		R	1.2 1W Metal Film
⚠ R612	VRD-RM2HD270JY	AA		R	27 1/2W Carbon
R614	VRS-CY1JF154JY	AA		R	150K 1/16W Metal Oxide
R615	VRS-CY1JF102JY	AA		R	1K 1/16W Metal Oxide
R616	VRS-CY1JF102JY	AA		R	1K 1/16W Metal Oxide
R617	VRS-CY1JF123JY	AA		R	12K 1/16W Metal Oxide
R618	VRS-CY1JF222JY	AA		R	2.2K 1/16W Metal Oxide
R621	VRN-RL2HC4R7J+	AB		R	4.7 1/2W Metal Oxide
R622	VRS-RG3DB682J	AA		R	6.8K 2W Metal Oxide
R625	VRD-RM2HD184JY	AA		R	180K 1/2W Carbon
R626	VRS-CY1JF472JY	AA		R	4.7K 1/16W Metal Oxide
R627	VRD-RA2BE222JY	AA		R	2.2K 1/8W Carbon
R628	VRS-CY1JF394JY	AA		R	390K 1/16W Metal Oxide
R629	VRS-CY1JF394JY	AA		R	390K 1/16W Metal Oxide
R630	VRD-RA2BE474JY	AA		R	470K 1/2W Carbon
R637	VRD-RA2BE331JY	AA		R	330 1/8W Carbon
R638	VRD-RA2BE331JY	AA		R	330 1/8W Carbon
R639	VRD-RM2HD271JY	AA		R	270 1/2W Carbon
R640	VRD-RA2BE101JY	AA		R	100 1/8W Carbon

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] MAIN UNIT					
R641	VRD-RA2BE563JY	AA		R	56K 1/8W Carbon
R642	VRN-VV3LB3R3J			R	3.3 3W Metal Oxide
R643	VRS-RG3DB103J+	AA		R	10K 2W Metal Oxide
R644	VRS-KA3HG681J			R	680 5W Metal Film
R645	VRS-CY1JF332JY	AA		R	3.3K 1/16W Metal Oxide
R702	VRD-RM2HD154JY	AA		R	150 1/2W Carbon
R704	VRD-RA2BE221JY	AA		R	220 1/8W Carbon
R710	VRD-RM2HD220JY	AA		R	22 1/2W Carbon
R711	VRD-RA2EE682JY	AA		R	6.8K 1/4W Carbon
R713	QJUM-0001AJFWY			R	Jumper Wire
R718	VRC-UA2HG275KY	AA		R	2.7M 1/2W Solid (21S-FX10U Only)
R721	VRD-RA2BE393JY	AA		R	39K 1/8W Carbon
R725	VRD-RM2HD821JY	AA		R	820 1/2W Carbon
R726	VRN-RL2HCR22J+	AB		R	0.22 1/2W Metal Oxide
R727	VRD-RA2BE222JY	AA		R	2.2K 1/8W Carbon
⚠ R751	VRC-UA2HG825MY	AA		R	8.2M 1/2W Solid
⚠ R752	VRC-UA2HG825MY	AA		R	8.2M 1/2W Solid
R753	VRD-RM2HD334JY	AA		R	330K 1/2W Carbon
R754	VRS-VV3DB150J+	AA		R	15 2W Metal Oxide
R755	VRN-VV3DB3R3J+	AA		R	3.3 2W Metal Oxide
R756	VRN-RL2HC6R8J	AB		R	6.8 1/2W Metal Oxide
R759	VRN-RL2HC6R8J	AB		R	6.8 1/2W Metal Oxide
R760	VRN-RL2HC6R8J	AB		R	6.8 1/2W Metal Oxide
R761	VRD-RM2HD391JY	AA		R	390 1/2W Carbon
R764	VRS-CY1JF333JY	AA		R	33K 1/16W Metal Oxide
R802	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R803	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R804	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R805	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R806	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R807	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R808	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R809	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R810	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R812	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R813	VRS-CY1JF182JY	AA		R	1.8K 1/16W Metal Oxide
R814	VRS-CY1JF182JY	AA		R	1.8K 1/16W Metal Oxide
R815	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R816	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R818	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R820	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R821	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R822	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R823	VRD-RA2BE102JY	AA		R	1k 1/8W Carbon
R824	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R825	VRS-CY1JF333JY	AA		R	33K 1/16W Metal Oxide
R827	VRD-RM2HD151JY	AA		R	150 1/2W Carbon
R828	VRS-CY1JF391JY	AA		R	390 1/16W Metal Oxide
R829	VRD-RA2BE393GY	AA		R	39K 1/8W Carbon
R830	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R831	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R833	VRS-CY1JF123JY	AA		R	12K 1/16W Metal Oxide
R834	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R837	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R839	VRD-RA2BE104JY	AA		R	100K 1/8W Carbon
R842	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R843	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R844	VRD-RA2BE750JY	AA		R	75 1/8W Carbon
R845	VRD-RA2BE103JY	AA		R	10K 1/8W Carbon
R848	VRS-CY1JF181JY	AA		R	180 1/16W Metal Oxide
R1001	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1004	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1006	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1007	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1008	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1009	VRS-CY1JF223JY	AA		R	22K 1/16W Metal Oxide (21S-FX10F / 10S Only)
R1010	VRD-RA2BE332JY	AA		R	3.3K 1/8W Carbon
R1011	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1012	VRD-RA2BE103JY	AA		R	10K 1/8W Carbon
R1013	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1014	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1015	VRS-CY1JF332JY	AA		R	3.3K 1/16W Metal Oxide
R1016	VRS-CY1JF332JY	AA		R	3.3K 1/16W Metal Oxide
R1017	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1018	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1019	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1020	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R1021	VRS-CY1JF331JY	AA		R	330 1/16W Metal Oxide
R1022	VRS-CY1JF181JY	AA		R	180 1/16W Metal Oxide
R1023	VRS-CY1JF681JY	AA		R	680 1/16W Metal Oxide
R1024	VRS-CY1JF102JY	AA		R	1 1/16W Metal Oxide
R1025	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1026	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1027	VRS-CY1JF104JY	AA		R	100K 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] MAIN UNIT					
R1028	VRD-RA2BE181JY	AA		R	180 1/8W Carbon
R1033	VRD-RA2BE332JY	AA		R	3.3K 1/8W Carbon
R1034	VRS-CY1JF332JY	AA		R	3.3K 1/16W Metal Oxide
R1035	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R1036	VRS-CY1JF122JY	AA		R	1.2K 1/16W Metal Oxide
R1037	VRS-CY1JF222JY	AA		R	2.2K 1/16W Metal Oxide
R1038	VRS-CY1JF152JY	AA		R	1.5K 1/16W Metal Oxide
R1039	VRS-CY1JF152JY	AA		R	1.5K 1/16W Metal Oxide
R1040	VRS-CY1JF223JY	AA		R	22K 1/16W Metal Oxide (21S-FX10F / 10S Only)
R1041	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1042	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1043	VRD-RM2HD102JY	AA		R	1 500V Carbon
R1045	VRS-CY1JF151JY	AA		R	150 1/16W Metal Oxide
R1046	VRS-CY1JF151JY	AA		R	150 1/16W Metal Oxide
R1047	VRS-CY1JF151JY	AA		R	150 1/16W Metal Oxide
R1050	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1051	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1052	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1053	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1054	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1055	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1056	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1057	VRD-RA2BE151JY	AA		R	150 1/8W Carbon
R1058	VRD-RA2BE151JY	AA		R	150 1/8W Carbon
R1059	VRD-RA2BE151JY	AA		R	150 1/8W Carbon
R1078	VRS-CY1JF332JY	AA		R	3.3K 1/16W Metal Oxide
R1079	VRS-CY1JF332JY	AA		R	3.3K 1/16W Metal Oxide
R3001	VRS-CY1JF750JY	AA		R	75 1/16W Metal Oxide
S701	QSW-PA003WJZZ	AG		R	Switch , POWER
S1001	QSW-KA019WJZZ+	AC		R	Switch , CH UP
S1002	QSW-KA019WJZZ+	AC		R	Switch , CH DOWN
S1003	QSW-KA019WJZZ+	AC		R	Switch , VOL UP
S1004	QSW-KA019WJZZ+	AC		R	Switch , VOL DOWN
S1005	QSW-KA019WJZZ+	AC		R	Switch , MENU
⚠ F701	QFS-C3225CEZZ	AC		R	Fuse , 3.15A 250V
FH701	QFSHD1013CEZZ+	AC		R	Fuse Holder
FH702	QFSHD1014CEZZ+	AC		R	Fuse Holder
J3	VW7UGB-190KK			R	Jumper Wire
J351	QJAKJA020WJZZ			R	Jack
J401	QJAKGA083WJZZ			R	Jack
J402	QJAKEA056WJ04			R	Jack
J403	QJAKEA056WJ09			R	Jack
J404	QJAKEA070WJ02			R	Jack
J405	QTANJA136WJZZ			R	Jack
JA443	QJUM-0001AJFWY			R	Jumper Wire (21S-FX10F / 21S-FX10S Only)
P302	QPLGN0461CEZZA	AB		R	Plug , 4Pin (S)
P310	QPLGNA107WJZZ			R	Plug
P601	QPLGN0660CEZZ	AC		R	Plug , 6Pin (F)
P602	LHLDW1104PEZZ	AB		R	Plug
P701	QPLGN0260CEZZ	AC		R	Plug ,2Pin (M)
P702	QPLGN0269GEZZ	AB		R	Plug ,2Pin
P1001	LHLDW1105PEZZ	AB		R	Plug
P1002	QPLGNA110WJZZ	AB		R	Plug
P1005	QSOCN0257FJ00			R	Socket 8pin
RMC1001	RRMCUA022WJZZ	AG		R	Remote Receiver
RDA301	PRDARA418WJFW	AC		R	Heat Sink for IC301
RDA392	PRDARA181WJFW			R	Heat Sink for D392
RDA501	PRDARA545WJFW	AD		R	Heat Sink for IC501
RDA602	PRDARA361WJFW			R	Heat Sink for Q602
RDA604	PRDARA361WJFW			R	Heat Sink for Q604
RDA701	PRDARA119WJFW	AF		R	Heat Sink for IC701
RDA751	PRDARA181WJFW			R	Heat Sink for IC751
RDA752	PRDARA167WJFW			R	Heat Sink for IC752
[4] CRT UNIT					
IC851	VHiTDA6107A-1			R	I.C.
D851	RH-DX0443CEZZY			R	Diode
D852	RH-DX0443CEZZY			R	Diode
D853	RH-DX0443CEZZY			R	Diode
C851	VCKYPA1HB561K+	AA		R	560p 50V Ceramic
C852	VCKYPA1HB391K+	AA		R	390p 50V Ceramic
C854	RC-KZ018JCEZZ			R	10000pf 250V Porcelain
C856	VCKYPA2HB102K+	AB		R	1 500V Ceramic
C861	VCKYPA2HB561K+	AB		R	560p 500V Ceramic
C862	VCKYPA2HB102K+	AB		R	1 500V Ceramic
C863	VCKYPA2HB102K+	AB		R	1 500V Ceramic
C851	RC-FZA295WJZZ+			R	0.082u 250v Metalic Plastic Film
C852	VCEA0A2EW106M+	AB		R	10 250V Electrolytic
R851	VRD-RM2HD101JY	AA		R	100 500V Carbon
R852	VRD-RM2HD101JY	AA		R	100 500V Carbon
R853	VRD-RM2HD101JY	AA		R	100 500V Carbon
R854	VRC-MA2HG152KY			R	1.5K 0.5W Solid
R855	VRC-MA2HG152KY			R	1.5K 0.5W Solid
R856	VRC-MA2HG152KY			R	1.5K 0.5W Solid

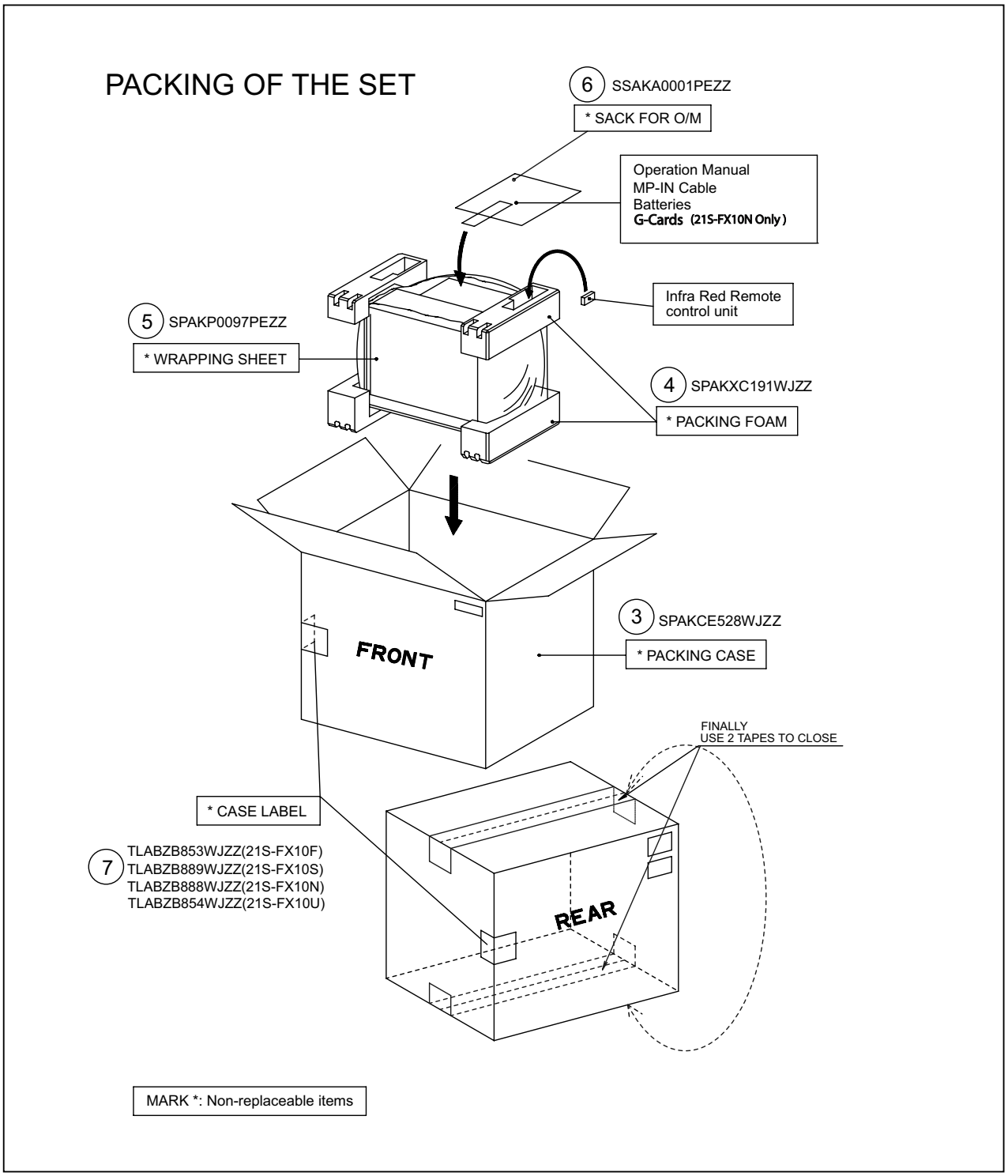
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] CRT UNIT					
R858	VRS-RG2HC100J+			R	10 0.5W Metal Film
⚠ R861	VRD-RM2HD224JY	AA		R	220K 500V Carbon
⚠ R863	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R864	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R865	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
P855	LHLDW1104PEZZ	AB		R	Plug 4Pin (H)
P860	LHLDW1105PEZZ	AB		R	Plug 5Pin (K)
RDA851	PRDAR0248PEFW			R	Heat Sink for IC851
SC851	QSOCVA023WJZZ	AE		R	Socket , 12Pin
[5] SURROUND UNIT					
IC3801	VHiNJM2701M-1Y			R	I.C.
D3801	RH-EX0641GEZZY			R	Zener Diode 12.35V
C3801	VCE9GA1HW106M+	AB		R	10 50V Electrolytic
C3802	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C3803	VCE9GA1HW106M+	AB		R	10 50V Electrolytic
C3804	VCKYCY1HB472KY	AA		R	4.7 50V Ceramic
C3805	VCKYCY1HB223KY	AA		R	0.22 50V Ceramic
C3806	VCEA0A1HW105M+			R	1000000pf 50V Alminium electrolytic
C3808	VCEA0A1EW107M+			R	100 25V Electrolytic
C3809	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C3810	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C3811	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C3812	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C3815	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C3821	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C3822	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
R3802	VRS-CY1JF103JY	AA		R	10K 1/16W Metal Oxide
R3803	VRD-RM2HD471JY	AA		R	470 500V Carbon
R3804	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R3805	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
P3801	QPLGN0240FJ00			R	Plug
P3802	QPLGNA107WJZZ			R	Plug
JC3002	QJUM-0001AJFWY			R	Jumper Wire
[6] MISCELLANEOUS PARTS					
⚠ ACC701	QACCZA082WJPZ			R	AC Cord (21S-FX10F)
	QACCBA051WJN1			R	AC Cord (21S-FX10S / 21S-FX10N)
	QACCZA048WJN1			R	AC Cord (21S-FX10U)
SP301	VSP9050PA05YA			R	SPEAKER
	QCNW-G288WJPZ			R	SP WIRE (+--+)
	QCNW-A343WJZZ	AD		R	H-WIRE
	QCNW-A788WJPZ	AD		R	K-WIRE
[7] SUPPLIED ACCESSORIES					
	RRMCGA547WJSA	AN		R	Infrared Remote Control Unit
	TiNS-D504WJN1	-		R	Operation Manual E / F (21S-FX10F / 21S-FX10S)
	TiNS-D505WJN1	-		R	Operation Manual RU / AR (21S-FX10F / 21S-FX10S)
	TiNS-D568WJZZ	-		R	Operation Manual E / A (21S-FX10N)
	TiNS-D569WJZZ	-		R	Operation Manual F / R (21S-FX10N)
	TGAN-A797WJZZ	-		R	G-Cards (21S-FX10N)
	TiNS-D538WJZZ	-		R	Operation Manual EN / UK (21S-FX10U)
	UBATUA004WJZZ	-		R	Battery

[8] CABINET PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVELY	DESCRIPTION
[8] CABINET PARTS					
1	CCABAB974WEV2	–		R	Front Cabinet Ass'y (21S-FX10F)
	CCABAB974WEV6	–		R	Front Cabinet Ass'y (21S-FX10S)
	CCABAB974WEV5	–		R	Front Cabinet Ass'y (21S-FX10N)
	CCABAB974WEV3	–		R	Front Cabinet Ass'y (21S-FX10U)
1-1	Not Available	–		–	Front Cabinet
1-2	Not Available	–		–	Top Panel
1-3	Not Available	–		–	Bottom Panel
1-4	Not Available	–		–	AL Decoration Plate
1-5	JBTN-A712WJSA	–		R	Power Button
1-6	MSPRC0005PEFW	–		R	Power Button Spring
1-7	HDECQA848WJSA	–		R	RC Cover Decoration
1-8	GCOVAC579WJSA	–		R	RC Cover
1-9	GDORFA216WJSA	–		R	Door (21S-FX10F)
	GDORFA222WJSA	–		R	Door (21S-FX10S)
	GDORFA221WJSA	–		R	Door (21S-FX10N)
	GDORFA217WJSA	–		R	Door (21S-FX10U)
1-10	PKAi-0002PE00	–		R	Door Latch
1-11	HiNDPC673WJSA	–		R	Indication Plate
1-12	TLABZB733WJZZ	–		R	AV Label
2	CCABBB259WEV0	–		R	Rear Cabinet Ass'y (21S-FX10F)
	CCABBB225WEV0	–		R	Rear Cabinet Ass'y (21S-FX10S /10N/10U)
2-1	Not Available	–		–	Rear Cabinet

[9] PACKING PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVELY	DESCRIPTION
[9] PACKING PARTS					
3	SPAKCE528WJZZ	–		–	Packing Case
4	SPAKXC191WJZZ	–		–	Packing Foam
5	SPAKP0097PEZZ	–		–	Wrapping Sheet
6	SSAKA0001PEZZ	–		–	Sack For O/M
7	TLABZB853WJZZ	–		–	Case Label (21S-FX10F)
	TLABZB889WJZZ	–		–	Case Label (21S-FX10S)
	TLABZB888WJZZ	–		–	Case Label (21S-FX10N)
	TLABZB854WJZZ	–		–	Case Label (21S-FX10U)

■INDEX

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
【 C 】				
CCABAB974WEV2	8-1	-		R
CCABAB974WEV3	8-	-		R
CCABAB974WEV5	8-	-		R
CCABAB974WEV6	8-	-		R
CCABBB225WEV0	8-	-		R
CCABBB259WEV0	8-2	-		R
【 D 】				
DUNTKE439WEA2	2-	-		-
DUNTKE439WEA3	2-	-		-
DUNTKE439WEA4	2-	-		-
DUNTKE439WEA5	2-	-		-
DUNTKE440WEA2	2-	-		-
DUNTKE440WEA3	2-	-		-
DUNTKE440WEA4	2-	-		-
DUNTKE440WEA5	2-	-		-
DUNTKE442WEA2	2-	-		-
DUNTKE442WEA3	2-	-		-
DUNTKE442WEA4	2-	-		-
DUNTKE442WEA5	2-	-		-
【 G 】				
GCOVAC579WJSA	8-1-8	-		R
GDORFA216WJSA	8-1-9	-		R
GDORFA217WJSA	8-	-		R
GDORFA221WJSA	8-	-		R
GDORFA222WJSA	8-	-		R
【 H 】				
HDECQA848WJSA	8-1-7	-		R
HiNDPC673WJSA	8-1-11	-		R
【 J 】				
JBTN-A712WJSA	8-1-5	-		R
【 L 】				
LHLDW1104PEZZ	3-P602	AB		R
〃	4-P855	AB		R
LHLDW1105PEZZ	3-P1001	AB		R
〃	4-P860	AB		R
【 M 】				
MSPRC0005PEFW	8-1-6	-		R
【 N 】				
Not Available	8-1-1	-		-
〃	8-1-2	-		-
〃	8-1-3	-		-
〃	8-1-4	-		-
〃	8-2-1	-		-
【 P 】				
PKAi-0002PE00	8-1-10	-		R
PRDAR0248PEFW	4-RDA851			R
PRDARA119WJFW	3-RDA701	AF		R
PRDARA167WJFW	3-RDA752			R
PRDARA181WJFW	3-RDA392			R
〃	3-RDA751			R
PRDARA361WJFW	3-RDA602			R
〃	3-RDA604			R
PRDARA418WJFW	3-RDA301	AC		R
PRDARA545WJFW	3-RDA501	AD		R
【 Q 】				
QACCBA051WJN1	6-			R
QACCZA048WJN1	6-			R
QACCZA082WJPZ	6-ACC701			R
QCNW-A343WJZZ	6-	AD		R
QCNW-A788WJPZ	6-	AD		R
QCNW-G288WJPZ	6-			R
QEARCA052WJZZ	1-			R
QFS-C3225CEZZ	3-F701	AC		R
QFSHD1013CEZZ+	3-FH701	AC		R
QFSHD1014CEZZ+	3-FH702	AC		R
QJAKEA056WJ04	3-J402			R
QJAKEA056WJ09	3-J403			R
QJAKEA070WJ02	3-J404			R
QJAKGA083WJZZ	3-J401			R
QJAKJA020WJZZ	3-J351			R
QJUM-0001AJFWY	3-L202			R
〃	3-L815			R
〃	3-L816			R
〃	3-R713			R
〃	3-JA443			R
〃	5-JC3002			R
QPLGN0240FJ00	5-P3801			R
QPLGN0260CEZZ	3-P701	AC		R
QPLGN0269GEZZ	3-P702	AB		R
QPLGN0461CEZZA	3-P302	AB		R
QPLGN0660CEZZ	3-P601	AC		R
QPLGNA107WJZZ	3-P310			R
〃	5-P3802			R
QPLGNA110WJZZ	3-P1002	AB		R
QSOCN0257FJ00	3-P1005			R
QSOCVA023WJZZ	4-SC851	AE		R
QSW-KA019WJZZ+	3-S1001	AC		R
〃	3-S1002	AC		R
〃	3-S1003	AC		R
〃	3-S1004	AC		R
〃	3-S1005	AC		R
QSW-PA003WJZZ	3-S701	AG		R
QTANJA136WJZZ	3-J405			R
【 R 】				
RC-EZ0638CEZZ	3-C754	AD		R
RC-EZA229WJZZ	3-C705	AM		R
RC-EZA235WJZZ	3-C753	AD		R
RC-FZ0357CEN1	3-C615			R
RC-FZA018WJZZ	3-C701	AD		R
RC-FZA097WJZZ	3-C701			R
RC-FZA178WJZZ	3-C613			R
RC-FZA295WJZZ+	4-C851			R
RCiLF0086PEN1	3-L701			R
RCiLFA187WJZZ	3-L701	AD		R
RCiLGA163WJZZ	1-			R
RCiLP0179CEZZ+	3-L850	AD		R
RCiLZ1005CEZZ	3-L603	AD		R
RCiLZA095WJZZ	3-L605	AD		R
RC-KZ0016CEZZ	3-C880	AC		R
RC-KZ0029CEZZ+	3-C702	AC		R
〃	3-C703	AC		R
〃	3-C704	AC		R
RC-KZ0033CEZZ+	3-C619			R
RC-KZ0102GEZZ	3-C713	AE		R
RC-KZ0106GEZZ	3-C713			R
RC-KZ018JCEZZ	4-C854			R
RC-KZ1018CEZZ+	3-C784	AC		R
RCRSAA058WJZZ	3-X801	AF		R
RFiLC0037PEZZ	3-SF201			R
RFiLC0442CEZZ	3-SF201			R
RH-DX0066GEZZY	3-D706	AC		R
〃	3-D709	AC		R
RH-DX0131CEZZY	3-D606	AC		R
RH-DX0247CEZZ	3-D752	AE		R
RH-DX0255CEZZ	3-D610			R
RH-DX0302CEZZY	3-D510	AC		R
〃	3-D511	AC		R
RH-DX0321CEZZY	3-D609			R
RH-DX0441CEZZY	3-D505	AC		R
RH-DX0443CEZZY	4-D851			R
〃	4-D852			R
〃	4-D853			R
RH-DX0445CEZZ	3-D392	AC		R
RH-DX0476CEZZ	3-D701	AG		R
RH-DXA006WJZZ	3-D611	AD		R
〃	3-D751	AD		R
RH-EX0641GEZZY	5-D3801			R
RH-EXA520WJZZY	3-D806			R
〃	3-D1003			R
〃	3-D1004			R
RH-EXA572WJZZY	3-D603			R
RH-EXA578WJZZY	3-D801			R
〃	3-D802			R
〃	3-D803			R
RH-FXA003WJZZ	3-iC702			R
RH-HXA013WJZZ+	3-NR701			R
RH-iXC324WJZZQ	3-iC1001			R
RH-PX0013PEZZ	3-D1001	AC		R
RH-VX0073CEZZ	3-VA701	AD		R
RMPTP0011CEZZ	3-PR701	AL		R
RRMCGA547WJSA	7-	AN		R
RRMCUA022WJZZ	3-RMC1001	AG		R
RTRNFA142WJZZ	3-T602	AV		R
RTRNWA305WJZZ	3-T701			R
RTRNZA058WJZZ	3-T603	AD		R
RTUNQA039WJZZ	3-TU201			R
RTUNQA046WJZZ	3-TU201	AT		R
【 S 】				

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
SPAKCE528WJZZ	9-3	-		-
SPAKP0097PEZZ	9-5	-		-
SPAKXC191WJZZ	9-4	-		-
SSAKA0001PEZZ	9-6	-		-
【 T 】				
TGAN-A797WJZZ	7-	-		R
TiNS-D504WJN1	7-	-		R
TiNS-D505WJN1	7-	-		R
TiNS-D538WJZZ	7-	-		R
TiNS-D568WJZZ	7-	-		R
TiNS-D569WJZZ	7-	-		R
TLABZB733WJZZ	8-1-12	-		R
TLABZB853WJZZ	9-7	-		-
TLABZB854WJZZ	9-	-		-
TLABZB888WJZZ	9-	-		-
TLABZB889WJZZ	9-	-		-
【 U 】				
UBATUA004WJZZ	7-	-		R
【 V 】				
VB51QGT420X1E	1-			R
VB51QGT420X2E	1-			R
VB51QGT420X5E	1-			R
VCCCCY1HH101JY	3-C1005	AA		R
VCE9GA1HW105M+	3-C315			R
〃	3-C316			R
VCE9GA1HW106M+	5-C3801	AB		R
〃	5-C3803	AB		R
VCEA0A0JW338M+	3-C202	AC		R
VCEA0A1AW107M+	3-C838	AC		R
〃	3-C846	AB		R
〃	3-C1001	AB		R
VCEA0A1AW108M+	3-C307	AB		R
VCEA0A1CW106M+	3-C370	AB		R
〃	3-C383	AB		R
〃	3-C387	AB		R
〃	3-C390	AB		R
〃	3-C817	AB		R
〃	3-C827	AB		R
〃	3-C829	AB		R
〃	3-C831	AB		R
〃	3-C847	AB		R
〃	3-C3003	AB		R
〃	3-C3005	AB		R
VCEA0A1CW107M+	3-C761	AB		R
〃	3-C809	AB		R
VCEA0A1CW336M+	3-C893	AC		R
VCEA0A1CW476M+	3-C720	AB		R
〃	3-C758	AB		R
〃	3-C802	AB		R
〃	3-C1003	AB		R
VCEA0A1CW477M+	3-C451	AC		R
VCEA0A1EW107M+	5-C3808			R
VCEA0A1EW226M+	3-C610	AB		R
VCEA0A1EW228M+	3-C393	AD		R
〃	3-C756	AE		R
VCEA0A1EW476M+	3-C301	AD		R
〃	3-C721	AB		R
〃	3-C760	AB		R
VCEA0A1EW477M+	3-C308	AD		R
〃	3-C511	AB		R
〃	3-C516	AB		R
VCEA0A1HW104M+	3-C709	AB		R
〃	3-C1853	AB		R
VCEA0A1HW105M+	5-C3806			R
VCEA0A1HW106M+	3-C206	AB		R
〃	3-C808	AB		R
〃	3-C833	AB		R
〃	3-C1859	AB		R
〃	5-C3802	AB		R
〃	5-C3810	AB		R
〃	5-C3811	AB		R
〃	5-C3812	AB		R
〃	5-C3815	AB		R
VCEA0A1HW107M+	3-C505	AB		R
VCEA0A1HW224M+	3-C302	AB		R
〃	3-C304	AB		R
VCEA0A1HW225M+	3-C371	AB		R
〃	3-C372	AB		R
〃	3-C394	AB		R
〃	3-C395	AB		R
VCEA0A1HW336M+	3-C306	AB		R
VCEA0A1HW475M+	3-C201	AB		R
〃	3-C314	AB		R
〃	3-C602	AB		R
〃	3-C825	AB		R
VCEA0A1VW226M+	3-C719	AB		R
VCEA0A2EW106M+	4-C852	AB		R
VCEA0A2EW336M+	3-C604	AD		R
VCFPKH2ED364J	3-C635			R
VCFPV2EC154J	3-C835			R
VCFPVC3ZA163H	3-C617	AD		R
VCFYAA2AA474J+	3-C508	AD		R
VCFYFA1HA104J+	3-C313	AB		R
VCFYFA1HA224J+	3-C840	AA		R
VCFYFA1HA474J+	3-C309	AE		R
〃	3-C310	AE		R
VCFYSA1HB105J+	3-C744			R
VCFYSA1JB473J+	3-C514			R
VCKYCY1AB105KY	3-C820	AA		R
〃	3-C822	AA		R
〃	3-C842	AA		R
VCKYCY1AB474KY	3-C843	AB		R
VCKYCY1CF474ZY	3-C1004	AB		R
VCKYCY1EF104ZY	3-C1016	AA		R
VCKYCY1HB102KY	3-C836	AA		R
〃	3-C837	AA		R
〃	3-C1863	AA		R
〃	3-C1864	AA		R
VCKYCY1HB103KY	3-C832	AA		R
〃	3-C834	AA		R
〃	5-C3809	AA		R
〃	5-C3821	AA		R
〃	5-C3822	AA		R
VCKYCY1HB104KY	3-C303	AA		R
〃	3-C305	AA		R
〃	3-C620	AA		R
〃	3-C759	AA		R
〃	3-C811	AA		R
〃	3-C812	AA		R
〃	3-C813	AA		R
〃	3-C815	AA		R
〃	3-C816	AA		R
〃	3-C826	AA		R
〃	3-C828	AA		R
〃	3-C830	AA		R
〃	3-C848	AA		R
VCKYCY1HB223KY	5-C3805	AA		R
VCKYCY1HB223ZY	3-C839	AA		R
VCKYCY1HB472KY	5-C3804	AA		R
VCKYCY1HF103ZY	3-C203	AA		R
〃	3-C207	AA		R
〃	3-C208	AA		R
〃	3-C209	AA		R
〃	3-C210	AA		R
〃	3-C211	AA		R
〃	3-C801	AA		R
VCKYCY1HF224ZY	3-C845	AA		R
〃	3-C1852	AA		R
VCKYPA1HB102K+	3-C391	AA		R
〃	3-C515	AA		R
VCKYPA1HB271K+	3-C853	AA		R
VCKYPA1HB332K+	3-C711	AB		R
VCKYPA1HB391K+	4-C852	AA		R
VCKYPA1HB561K+	4-C851	AA		R
VCKYPA2HB101K+	3-C650	AB		R
VCKYPA2HB102K+	3-C512	AA		R
〃	3-C606	AD		R
〃	3-C757	AC		R
〃	4-C856	AB		R
〃	4-C862	AB		R
〃	4-C863	AB		R
VCKYPA2HB561K+	4-C861	AB		R
VCKYPH3DB561K	3-C743	AC		R
VCQPPC2JB473J	3-C618			R
VCQYTA1HM103J+	3-C710	AB		R
〃	3-C844	AB		R
VCQYTA1HM563J+	3-C601	AB		R
VCQYTA1HM682J+	3-C841			R
VCQYTA2AA103K+	3-C608	AC		R
VHD1SS244//-1Y	3-D602	AB		R
VHD1SS356//-1Y	3-D202			R
VHDHSS4148+-1Y	3-D203	AA		R
〃	3-D302	AA		R
〃	3-D303	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-D605	AA		R
〃	3-D607	AA		R
〃	3-D714	AA		R
〃	3-D725	AA		R
〃	3-D804	AA		R
〃	3-D1005	AA		R
〃	3-D1007	AA		R
VHEZJ12B+++1EY	3-D301			R
VHEZJ27B+++1EY	3-D808			R
VHEZJ2R0B++1EY	3-D716			R
VHEZJ33C+++1EY	3-D201			R
VHEZJ4R3B++1EY	3-D724			R
VHEZJ5R1B++1EY	3-D807			R
VHEZJ6R2A++1EY	3-D608			R
VHEZJ8R2B++1EY	3-D760			R
VHiKiA78D33-1	3-iC751			R
VHiLA42102+-1	3-iC301			R
VHiLA78041+-1	3-iC501			R
VHiM24C16W6-1Y	3-iC1003			R
VHiNJM2701M-1Y	5-iC3801			R
VHiPQ05RDA1-1	3-iC752			R
VHiSE125N++-F	3-iC703			R
VHiSTRW6553-1	3-iC701	AM		R
VHiTDA6107A-1	4-iC851			R
VP-DF100K0000Y	3-L804	AB		R
〃	3-L806	AB		R
〃	3-L807	AB		R
〃	3-L809	AB		R
VP-DF270K0000Y	3-L203	AB		R
VP-XF100K0000Y	3-L808	AB		R
VP-XF1R2K0000Y	3-L204	AB		R
VP-XF4R7K0000Y	3-L802	AB		R
〃	3-L812	AB		R
〃	3-L814	AB		R
VRC-MA2HG152KY	4-R854			R
〃	4-R855			R
〃	4-R856			R
VRC-UA2HG275KY	3-R718	AA		R
VRC-UA2HG825MY	3-R751	AA		R
〃	3-R752	AA		R
VRD-RA2BE101JY	3-R323	AA		R
〃	3-R640	AA		R
〃	3-R810	AA		R
〃	3-R815	AA		R
〃	3-R816	AA		R
〃	3-R830	AA		R
〃	3-R831	AA		R
〃	3-R837	AA		R
〃	3-R843	AA		R
〃	3-R1001	AA		R
〃	3-R1004	AA		R
〃	3-R1008	AA		R
〃	3-R1011	AA		R
〃	3-R1013	AA		R
〃	3-R1014	AA		R
〃	3-R1018	AA		R
〃	3-R1019	AA		R
〃	3-R1025	AA		R
〃	3-R1051	AA		R
〃	3-R1052	AA		R
〃	3-R1055	AA		R
〃	3-R1056	AA		R
VRD-RA2BE102JY	3-R823	AA		R
VRD-RA2BE103JY	3-R309	AA		R
〃	3-R310	AA		R
〃	3-R845	AA		R
〃	3-R1012	AA		R
VRD-RA2BE104JY	3-R603	AA		R
〃	3-R839	AA		R
VRD-RA2BE151JY	3-R431	AA		R
〃	3-R1057	AA		R
〃	3-R1058	AA		R
〃	3-R1059	AA		R
VRD-RA2BE181JY	3-R1028	AA		R
VRD-RA2BE221JY	3-R704	AA		R
VRD-RA2BE222JY	3-R627	AA		R
〃	3-R727	AA		R
VRD-RA2BE223JY	3-R304	AA		R
VRD-RA2BE331JY	3-R308	AA		R
〃	3-R314	AA		R
〃	3-R637	AA		R
〃	3-R638	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VRD-RA2BE332JY	3-R1010	AA		R
〃	3-R1033	AA		R
VRD-RA2BE393GY	3-R829	AA		R
VRD-RA2BE393JY	3-R602	AA		R
〃	3-R721	AA		R
VRD-RA2BE474JY	3-R630	AA		R
VRD-RA2BE563JY	3-R641	AA		R
VRD-RA2BE750JY	3-R844	AA		R
VRD-RA2EE682JY	3-R711	AA		R
VRD-RA2EE750JY	3-R459	AA		R
VRD-RM2H330JY	3-R609	AA		R
VRD-RM2HD101JY	4-R851	AA		R
〃	4-R852	AA		R
〃	4-R853	AA		R
VRD-RM2HD102JY	3-R608	AA		R
〃	3-R1043	AA		R
VRD-RM2HD104JY	3-R605	AA		R
VRD-RM2HD151JY	3-R827	AA		R
VRD-RM2HD154JY	3-R702	AA		R
VRD-RM2HD184JY	3-R625	AA		R
VRD-RM2HD1R0JY	3-R325	AA		R
〃	3-R326	AA		R
〃	3-R507	AA		R
VRD-RM2HD220JY	3-R710	AA		R
VRD-RM2HD224JY	4-R861	AA		R
VRD-RM2HD270JY	3-R612	AA		R
VRD-RM2HD271JY	3-R639	AA		R
VRD-RM2HD334JY	3-R753	AA		R
VRD-RM2HD391JY	3-R761	AA		R
VRD-RM2HD471JY	5-R3803	AA		R
VRD-RM2HD821JY	3-R725	AA		R
VRN-RL2HC4R7J+	3-R621	AB		R
VRN-RL2HC6R8J	3-R756	AB		R
〃	3-R759	AB		R
〃	3-R760	AB		R
VRN-RL2HCR22J+	3-R726	AB		R
VRN-RL2HCR47J+	3-R508	AB		R
〃	3-R510	AB		R
VRN-RL3AB1R2J+	3-R611	AB		R
VRN-RL3DBR68J+	3-R503	AB		R
VRN-RL3LBR33J+	3-R302	AA		R
VRN-VV3DB3R3J+	3-R755	AA		R
VRN-VV3LB3R3J	3-R642			R
VRS-CY1JF000JY	3-RJ15	AA		R
〃	3-RJ16	AA		R
〃	3-RJ18	AA		R
〃	3-RJ28	AA		R
〃	3-RJ29	AA		R
〃	3-RJ31	AA		R
〃	3-RJ44	AA		R
〃	3-RJ103	AA		R
〃	3-RJ405	AA		R
〃	3-RJ802	AA		R
〃	3-RJ805	AA		R
〃	3-RJ814	AA		R
〃	3-RJ821	AA		R
〃	3-RJ822	AA		R
〃	3-RJ823	AA		R
〃	3-RJ824	AA		R
〃	3-RJ904	AA		R
VRS-CY1JF101JY	3-R201	AA		R
〃	3-R202	AA		R
〃	3-R803	AA		R
〃	3-R804	AA		R
〃	3-R805	AA		R
〃	3-R818	AA		R
〃	3-R820	AA		R
〃	3-R821	AA		R
〃	3-R822	AA		R
〃	3-R834	AA		R
〃	3-R842	AA		R
〃	3-R1006	AA		R
〃	3-R1007	AA		R
〃	3-R1017	AA		R
〃	3-R1026	AA		R
〃	3-R1041	AA		R
〃	3-R1042	AA		R
〃	3-R1050	AA		R
〃	3-R1053	AA		R
〃	3-R1054	AA		R
〃	5-R3804	AA		R
〃	5-R3805	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VRS-CY1JF102JY	3-R324	AA		R
〃	3-R615	AA		R
〃	3-R616	AA		R
〃	3-R1024	AA		R
VRS-CY1JF103JY	3-R213	AA		R
〃	3-R363	AA		R
〃	3-R365	AA		R
〃	3-R381	AA		R
〃	3-R383	AA		R
〃	3-R458	AA		R
〃	3-R462	AA		R
〃	3-R802	AA		R
〃	3-R809	AA		R
〃	3-R812	AA		R
〃	3-R824	AA		R
〃	3-R1035	AA		R
〃	5-R3802	AA		R
VRS-CY1JF104JY	3-R322	AA		R
〃	3-R1027	AA		R
VRS-CY1JF122JY	3-R1036	AA		R
VRS-CY1JF123JY	3-R617	AA		R
〃	3-R833	AA		R
VRS-CY1JF151JY	3-R1045	AA		R
〃	3-R1046	AA		R
〃	3-R1047	AA		R
VRS-CY1JF152JY	3-R1038	AA		R
〃	3-R1039	AA		R
VRS-CY1JF154JY	3-R614	AA		R
VRS-CY1JF181JY	3-R848	AA		R
〃	3-R1022	AA		R
VRS-CY1JF182JY	3-R307	AA		R
〃	3-R315	AA		R
〃	3-R520	AA		R
〃	3-R521	AA		R
〃	3-R813	AA		R
〃	3-R814	AA		R
VRS-CY1JF221JY	3-R205	AA		R
〃	3-R207	AA		R
〃	3-R220	AA		R
〃	3-R806	AA		R
〃	3-R807	AA		R
〃	3-R808	AA		R
〃	3-R1020	AA		R
〃	4-R863	AA		R
〃	4-R864	AA		R
〃	4-R865	AA		R
VRS-CY1JF222JY	3-R210	AA		R
〃	3-R212	AA		R
〃	3-R618	AA		R
〃	3-R1037	AA		R
VRS-CY1JF223JY	3-R1009	AA		R
〃	3-R1040	AA		R
VRS-CY1JF224JY	3-R372	AA		R
〃	3-R374	AA		R
VRS-CY1JF272JY	3-R206	AA		R
VRS-CY1JF274JY	3-R305	AA		R
VRS-CY1JF331JY	3-R1021	AA		R
VRS-CY1JF332JY	3-R645	AA		R
〃	3-R1015	AA		R
〃	3-R1016	AA		R
〃	3-R1034	AA		R
〃	3-R1078	AA		R
〃	3-R1079	AA		R
VRS-CY1JF333JY	3-R764	AA		R
〃	3-R825	AA		R
VRS-CY1JF391JY	3-R828	AA		R
VRS-CY1JF392JY	3-R209	AA		R
VRS-CY1JF394JY	3-R628	AA		R
〃	3-R629	AA		R
VRS-CY1JF471JY	3-R208	AA		R
VRS-CY1JF472JY	3-R362	AA		R
〃	3-R366	AA		R
〃	3-R370	AA		R
〃	3-R371	AA		R
〃	3-R382	AA		R
〃	3-R384	AA		R
〃	3-R626	AA		R
VRS-CY1JF473JY	3-R303	AA		R
VRS-CY1JF563JY	3-R214	AA		R
VRS-CY1JF681JY	3-R1023	AA		R
VRS-CY1JF682JY	3-R211	AA		R
VRS-CY1JF750JY	3-R461	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-R3001	AA		R
VRS-CY1JF822JY	3-R301	AA		R
VRS-KA3HG681J	3-R644			R
VRS-RG2HC100J+	4-R858			R
VRS-RG3AB181J+	3-R601	AB		R
〃	3-R607	AB		R
VRS-RG3AB331J+	3-R506	AB		R
VRS-RG3DB103J+	3-R643	AA		R
VRS-RG3DB682J	3-R622	AA		R
VRS-VV3DB150J+	3-R754	AA		R
VRS-VV3LB333J	3-R216	AC		R
VS2SA1530AR-1Y	3-Q302	AB		R
VS2SC2235Y/1E+	3-Q601	AE		R
VS2SC2735//-1Y	3-Q201			R
VS2SC3198-G-1+	3-Q603	AA		R
VS2SC3928AR-1Y	3-Q202	AB		R
〃	3-Q801	AB		R
〃	3-Q803	AB		R
〃	3-Q1070	AB		R
VS2SC6090++1E	3-Q602			R
VS2SK2161++-1	3-Q604			R
VSP9050PA05YA	6-SP301			R
VW7UGB-190KK	3-J3			R

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